

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tag                          | C-Flag Tag                                                                                                                                                                                                                                                                                                                                                                                                   |
| Target                       | SSTR2                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms                     | SS-2-R; SS2-R; SS2R; SST2                                                                                                                                                                                                                                                                                                                                                                                    |
| Description                  | Human SSTR2 full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                           |
| Delivery                     | In Stock                                                                                                                                                                                                                                                                                                                                                                                                     |
| Uniprot ID                   | P30874                                                                                                                                                                                                                                                                                                                                                                                                       |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Families             | GPCR                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Pathways             | Neuroactive ligand-receptor interaction                                                                                                                                                                                                                                                                                                                                                                      |
| Molecular Weight             | The human full length SSTR2 Protein has a MW of 41.2 kDa                                                                                                                                                                                                                                                                                                                                                     |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                                                                                                             |
| Storage & Shipping           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.                                                                                                                                                          |
| Background                   | Somatostatin acts at many sites to inhibit the release of many hormones and other secretory proteins. The biologic effects of somatostatin are probably mediated by a family of G protein-coupled receptors that are expressed in a tissue-specific manner. SSTR2 is a member of the superfamily of receptors having seven transmembrane segments and is expressed in highest levels in cerebrum and kidney. |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                            |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                 |



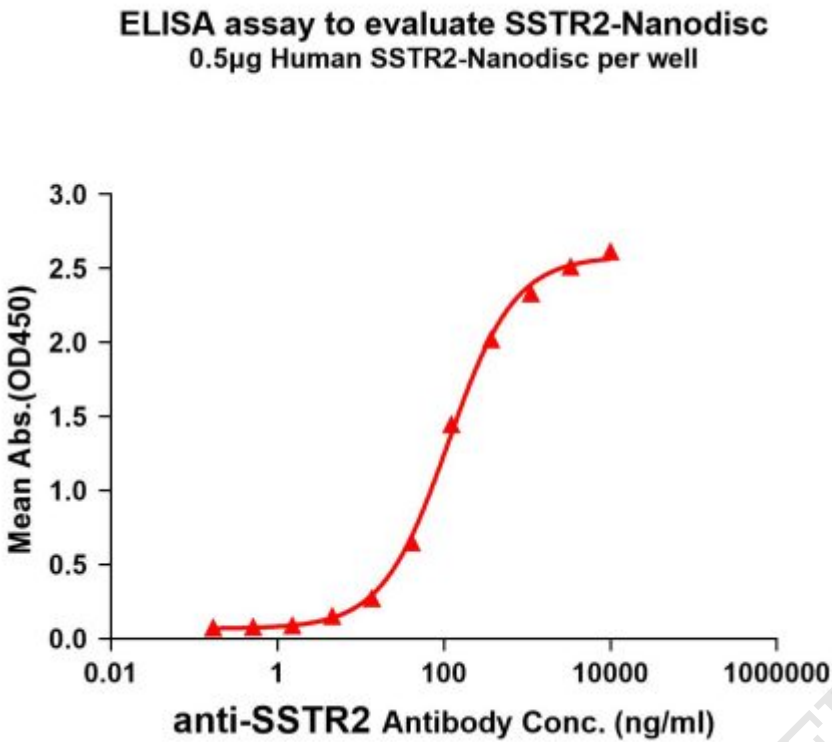


Figure1. Elisa plates were added with His/Flag Tag SSTR2-Nanodisc (0.5µg/per well) on an anti-Flag monoclonal antibody pre-coated (0.5µg/per well) plate. Serial diluted anti-SSTR2 monoclonal antibody (BME100127) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-SSTR2 monoclonal antibody binding with SSTR2-Nanodisc is 113.2ng/ml.

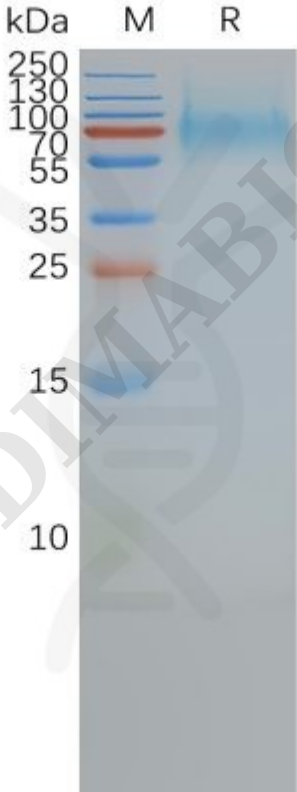


Figure2. Human SSTR2-Nanodisc, His/Flag Tag on SDS-PAGE

