

**PRODUCT INFORMATION**

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| <b>Tag</b>                              | C-Flag Tag   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Target</b>                           | F2RL2  |
| <b>Synonyms</b>                         | PAR-3; PAR3  |
| <b>Description</b>                      | Human F2RL2 full length protein-synthetic nanodisc   |
| <b>Uniprot ID</b>                       | O00254   |
| <b>Protein Families</b>                 | Druggable Genome, GPCR, Transmembrane  |
| <b>Protein Pathways</b>                 | Neuroactive ligand-receptor interaction  |
| <b>Molecular Weight</b>                 | The human full length F2RL2 protein has a MW of 42.5 kDa   |
| <b>Delivery</b>                         | In Stock   |
| <b>Formulation &amp; Reconstitution</b> | 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| <b>Sterility</b>                        | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.  |
| <b>Storage&amp;Shipping</b>             | 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.  |
| <b>Background</b>                       | A member of the protease-activated receptor (PAR) family which is a subfamily of the seven transmembrane G protein-coupled cell surface receptor family. The encoded protein acts as a cofactor in the thrombin-mediated cleavage and activation of the protease-activated receptor family member PAR4. The encoded protein plays an essential role in hemostasis and thrombosis.    |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



### ELISA assay to evaluate F2RL2-Nanodisc 0.2 $\mu$ g Human F2RL2-Nanodisc per well

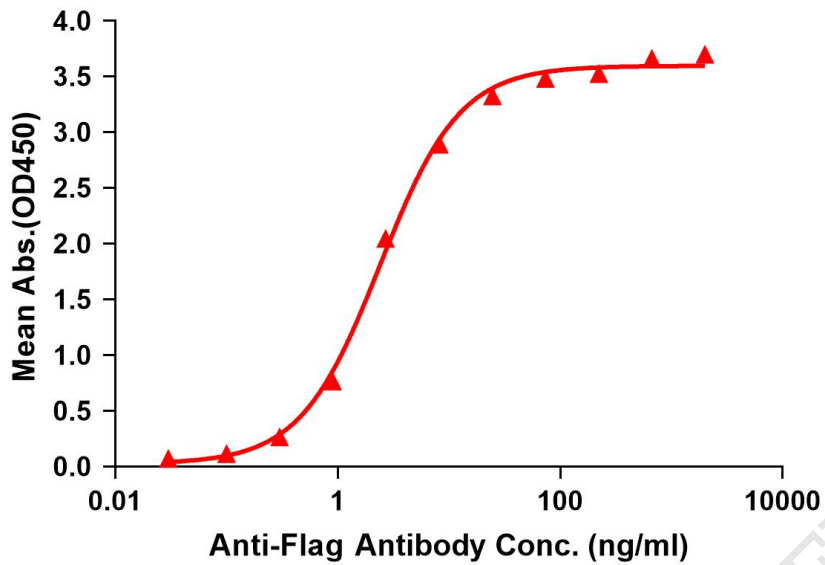


Figure 1. Elisa plates were pre-coated with Flag Tag F2RL2-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with F2RL2-Nanodisc is 2.410ng/ml.

kDa M R

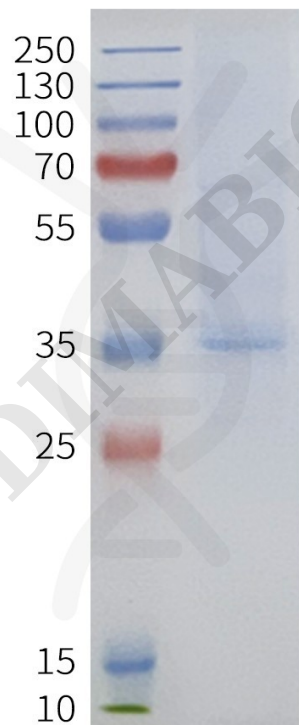


Figure 2. Human F2RL2-Nanodisc, Flag Tag on SDS-PAGE

