

PRODUCT INFORMATION

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|---|---|
| Tag | C-Flag Tag |
| Target | TAS1R2 |
| Synonyms | GPR71; T1R2; TR2 |
| Description | Human TAS1R2 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | Q8TE23 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, Transmembrane |
| Protein Pathways | Taste transduction |
| Molecular Weight | The human full length TAS1R2 protein has a MW of 95.2 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 | Putative taste receptor. TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate TAS1R2-Nanodisc
0.2 μ g Human TAS1R2-Nanodisc per well

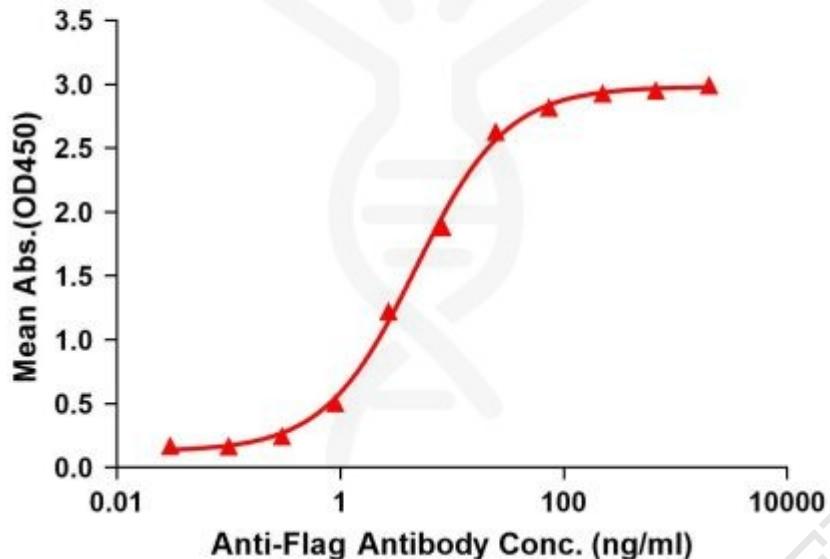


Figure1. Elisa plates were pre-coated with Flag Tag TAS1R2-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TAS1R2-Nanodisc is 4.703ng/ml.

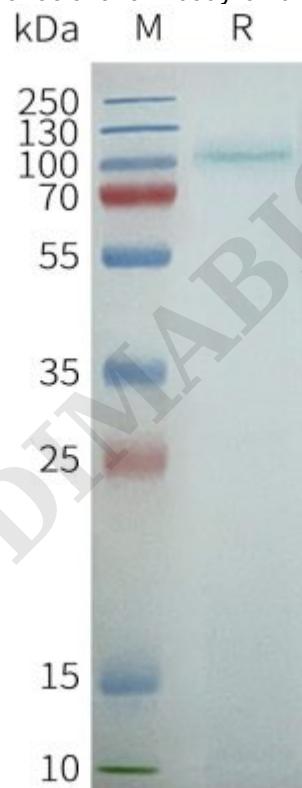


Figure2. Human TAS1R2-Nanodisc, Flag Tag on SDS-PAGE

