

PRODUCT INFORMATION

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| Target | NK2R |
| Synonyms | TACR2, NKNAR, SKR, TAC2R |
| Description | Biotinylated Human NK2R full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P21452 |
| Expression Host | HEK293 |
| Protein Families | Transmembrane |
| Protein Pathways | Peptide GPCRs, |
| Molecular Weight | The human full length NK2R protein has a MW of 49.2kDa 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. |
| Formulation & Reconstitution | 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. |
| Storage & Shipping | This gene belongs to a family of genes that function as receptors for tachykinins. Receptor affinities are specified by variations in the 5'-end of the sequence. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A. [provided by RefSeq, Jul 2008] |
| Background | |
| Usage | Research use only |
| Conjugate | Biotinylated |



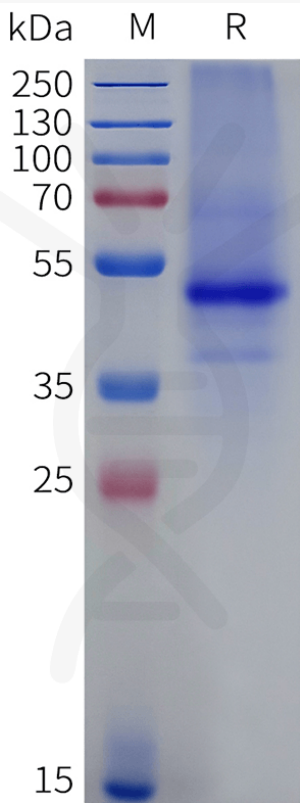
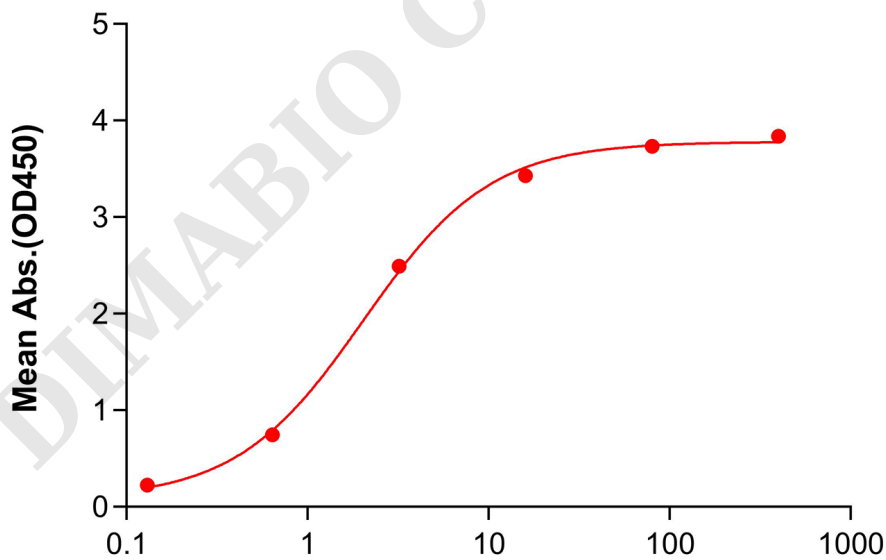


Figure 1. Biotinylated Human NK2R-Nanodisc, Flag Tag on SDS-PAGE

Biotinylated Human NK2R full length protein-synthetic nanodisc ELISA
0.1 µg of Streptavidin protein per well



Biotinylated Human NK2R full length protein-synthetic nanodisc (ng/mL)

Figure 2. On a streptavidin-coated plate (0.1 µg/well) immobilized with biotinylated Human NK2R full-length protein-synthetic nanodisc (FLP100360B, 1 µg/mL, 100 µL/well), the Anti-Flag Rabbit mAb showed linear binding in the range of 0.64-16 ng/mL. In order to specifically detect FLP100360B, HRP Conjugated Goat anti Rabbit was used as detection antibody.



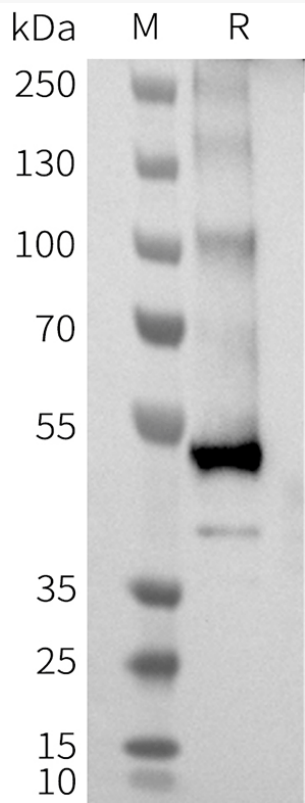


Figure 3.WB analysis of Human NK2R-Nanodisc with Streptavidin HRP at 1/4000 dilution

