

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	TMCC3
Synonyms	N/A
Description	Human TMCC3 full length protein-synthetic nanodisc
Uniprot ID	Q9ULS5
Protein Families	Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length TMCC3 protein has a MW of 53.8 kDa
Delivery	In Stock
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. 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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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	This protein belongs to the the transmembrane and coiled-coil domain (TMCC) family, which shares common structural motifs (two transmembrane domains and two coiled-coil domains). TMCC3 was isolated as a novel gene isolated from human brain, and later became known as a novel gene up-regulated in the developing brain, especially in the ventral tegmentum. There is no resolved structure or defined function.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate TMCC3-Nanodisc 0.2 μ g Human TMCC3-Nanodisc per well

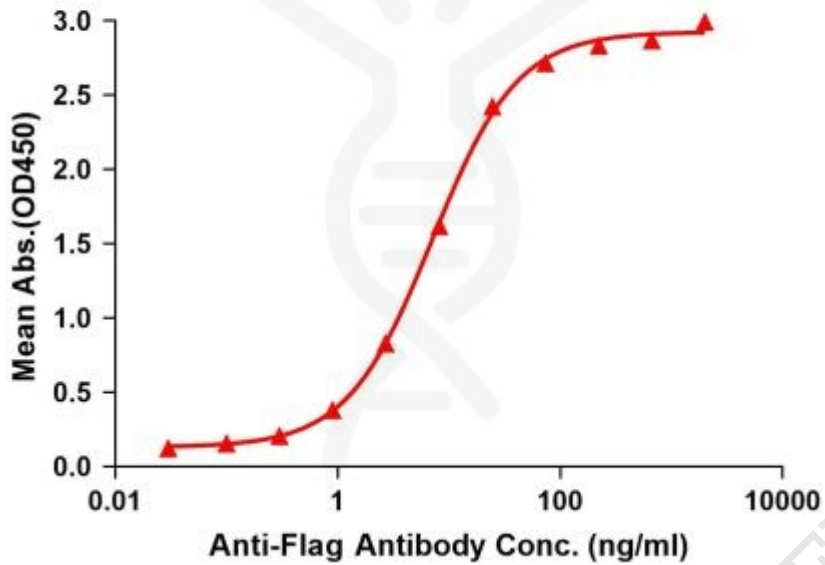


Figure1. Elisa plates were pre-coated with Flag Tag TMCC3-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TMCC3-Nanodisc is 7.101ng/ml.



Figure2. Human TMCC3-Nanodisc, Flag Tag on SDS-PAGE

