

## HUMAN TMCC3 FULL LENGTH PROTEIN

**Cat.#:** 11082

**Product Name:** Human TMCC3 Full Length Protein

**Size:** 10 µg; 50 µg and 100 µg

**Synonyms:** N/A

**Target:** TMCC3

**UNIPROT ID:** Q9ULS5

**Description:** Human TMCC3 Full Length Protein-Synthetic Nanodisc

**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.

**Species/Host:** HEK293

**Molecular Weight:** The human full length TMCC3 protein has a MW of 53.8 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.

**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.

**Protein Families:** Transmembrane

**Protein Pathways:** N/A

### ELISA assay to evaluate TMCC3-Nanodisc 0.2µg Human TMCC3-Nanodisc per well

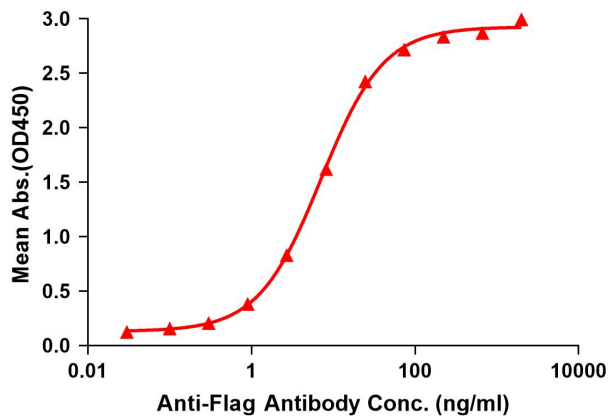


Figure 1. Elisa plates were pre-coated with Flag Tag TMCC3-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with TMCC3-Nanodisc is 7.10ng/ml.

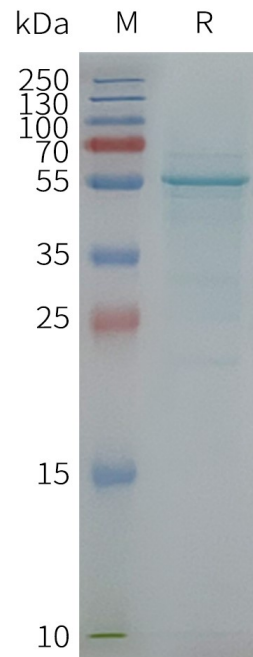


Figure 2. Human TMCC3-Nanodisc, Flag Tag on SDS-PAGE