

HUMAN TMIGD2 PROTEIN, HFC TAG

Cat.#: 11519

Product Name: Human TMIGD2 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD28 homolog;IGPR-1

Target: TMIGD2

UNIPROT ID: Q96BF3

Description: Recombinant human TMIGD2 protein with C-terminal human Fc tag

Background: Plays a role in cell-cell interaction, cell migration, and angiogenesis. Through interaction with HHLA2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 40.1 kDa after removal of the signal peptide. The apparent molecular mass of TMIGD2-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: TMIGD2(Leu23-Gly150) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

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.

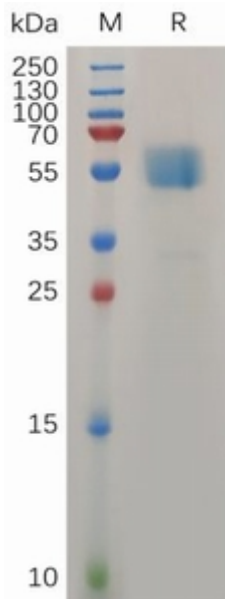


Figure 1. Human TMIGD2 Protein, hFc Tag on SDS-PAGE under reducing condition.