PRODUCT INFORMATION

Target	TMIGD2
Synonyms	CD28 homolog;IGPR-1
Description	Recombinant human TMIGD2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q96BF3
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	TMIGD2(Leu23-Gly150) hFc(Glu99-Ala330)
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.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. 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	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]
Usage	Research use only
Conjugate	Unconjugated

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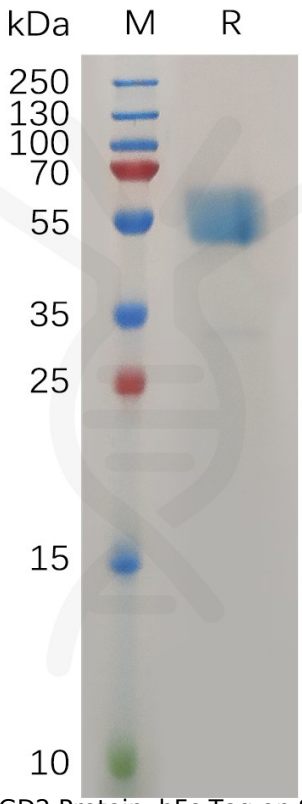


Figure 1. Human TMIGD2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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