

Active Recombinant Human TMIGD2, Fc-tagged, Biotinylated

Cat. No. TMIGD2-567H Lot. No. (See product label)

SPECIFICATION

Product Overview	The recombinant human CD28H-Fc fusion is expressed as a 366-amino acid protein consisting of Leu23 - Gly150 region of CD28H (UniProt accession #Q96BF3) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	23-150 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its B7 family ligand, B7-H7/HLA2 and inhibit B7-H7-mediated signaling activity including IL-2 secretion in human T cells stimulated with anti-CD3 antibody.
Molecular Mass	Calculated molecular mass 40.7 kDa; estimated by SDS-PAGE under reducing condition 55-60 kDa probably due to glycosylation
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [TMIGD2 transmembrane and immunoglobulin domain containing 2 \[Homo sapiens \]](#)

Official Symbol TMIGD2

Synonyms IGPR1; IGPR-1

Gene ID [126259](#)

mRNA Refseq [NM_144615.2](#)

Protein Refseq [NP_653216.2](#)

MIM [614715](#)

UniProt ID [Q96BF3](#)

Chromosome Location 19p13.3

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