

TMIGD2 active protein

TMIGD2 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA258028

HOST
HEK293 Cells

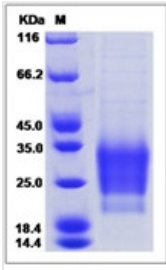
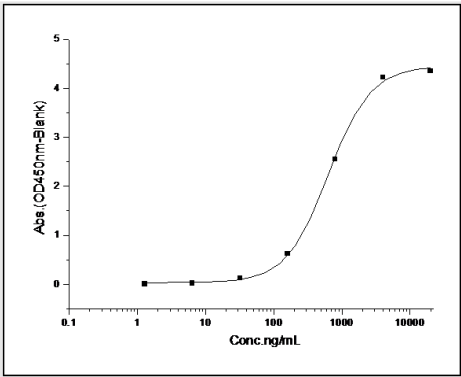
PRODUCT SYNONYMS

TMIGD2; TMIGD2 Protein; Human; Recombinant (His Tag); Human IGPR-1/TMIGD2 Protein (His Tag); IGPR-1 Protein; IGPR1 Protein; TPC1 Protein; transmembrane and immunoglobulin domain containing 2; TMIGD2 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>85% as determined by Nu-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Gly150
Species	Human
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Leu 23
Tag	C-His
Protein Construction	A DNA sequence encoding the human TMIGD2 (NP_653216.2)(Met1-Gly150) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	1.Measured by its binding ability in a functional ELISA. 2.Immobilized human TMIGD2 at 10ug/mL (100uL/well) can bind human HHLA2-Fc. The EC50 of human HHLA2-Fc is 0.3-3ug/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized human TMIGD2 at 10 ug/mL (100 uL/well) can bind human HHLA2-Fc, the EC50 of human HHLA2-Fc is 0.3-3ug/mL.

ADDITIONAL INFORMATION

Related Product Information for TMIGD2 active protein	Background: The orthologue of human IGPR-1 is found only in eukaryotes, including primates, the guinea pig, canines, felines, dolphins, bovines, the llama, bats, the common shrew, and horses. Of interest, the IGPR-1 gene is absent in mouse and rat genomes. The immunoglobulin domain of IGPR-1 was predicted to be Ig V (variable) fold and was found to be highly similar to the Ig domain of myelin-associated glycoprotein.
Product Categories/Family for TMIGD2 active protein	Cancer Drug Targets
References	Rahimi N, Rezazadeh K, Mahoney JE, Hartsough E, Meyer RD. Identification of IGPR-1 as a novel adhesion molecule involved in angiogenesis. Nusrat A, ed. Molecular Biology of the Cell. 2012;23(9):1646-1656.

NCBI AND UNIPROT INFORMATION

NCBI GI #	281306838
NCBI GeneID	126259
NCBI Accession #	NP_653216.2
NCBI GenBank Nucleotide #	NM_144615.2
UniProt Accession #	Q96BF3; Q6UW59
Molecular Weight	30,319 Da
NCBI Official Full Name	transmembrane and immunoglobulin domain-containing protein 2 isoform 1
NCBI Official Synonym Full Names	transmembrane and immunoglobulin domain containing 2
NCBI Official Symbol	TMIGD2
NCBI Official Synonym Symbols	CD28H; IGPR1; IGPR-1
NCBI Protein Information	transmembrane and immunoglobulin domain-containing protein 2
UniProt Protein Name	Transmembrane and immunoglobulin domain-containing protein 2
UniProt Gene Name	TMIGD2
UniProt Synonym Gene Names	CD28H; IGPR1; IGPR-1
UniProt Entry Name	TMIG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

