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Datasheet for ABIN1691614

TMIGD2 Protein (AA 23-150) (His tag)

Overview

Quantity:	50 µg
Target:	TMIGD2
Protein Characteristics:	AA 23-150
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMIGD2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TMIGD2/IGPR-1/CD28H (C-6His)
Sequence:	LSVQQGPNLL QVRQGSQATL VCQVDQATAW ERLRVKWKTD GAILCQPYIT NGSLSLGVCG PQGRLSWQAP SHLTQLQDPV SLNHSGAYVC WAAVEIPELE EAEGNITRLF VDPDDPTQNR NRIASFPGVD HHHHHH
Characteristics:	Recombinant Human Transmembrane and immunoglobulin domain-containing protein 2/TMIGD2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu23-Gly150) of Human TMIGD2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TMIGD2
Alternative Name:	TMIGD2 (TMIGD2 Products)
Sub Type:	Fusionprotein
Background:	<p>TMIGD2 is a single-pass type I membrane protein, which contains one Ig-like (immunoglobulin-like) domain. It is widely expressed in many tissues, such as epithelial, endothelial cells and lung. However, it isn't detected in thyroid, cerebellum, thymus and cerebral cortex. TMIGD2 can form homophilic interactions that could regulate cell-cell interaction. It interacts with CACNB2, DST, MIA and NCKIPSD. It is shown that TMIGD2 plays a role in cell-cell interaction, cell migration, and angiogenesis.</p> <p>Alternative Names: Transmembrane and immunoglobulin domain-containing protein 2, Immunoglobulin and proline-rich receptor 1, IGPR1, TMIGD2</p>
Molecular Weight:	17.3 kDa
UniProt:	Q96BF3

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	6 months