

Catalog No.: RP00809 **Recombinant**

Species	Gene ID	Swiss Prot
Human	126259	O96BF3

C-His

Synonyms
Transmembrane and immunoglobulin
domain-containing protein 2;
Immunoglobulin and proline-rich
receptor 1; IGRP1; TMIGD2

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
15.05 kDa	20-30 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.2 μ m filtered solution of 20mM PB,150mM NaCl, pH 7.4.Contact us for customized product form or formulation.

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

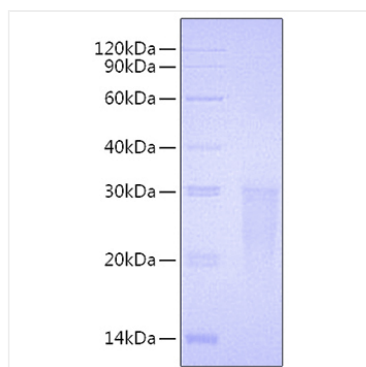
Recombinant Human TMIGD2/CD28H Protein is produced by Human cells expression system. The target protein is expressed with sequence (Leu23-Gly150) of human TMIGD2/IGRP1 (Accession #Q96BF3) fused with a 6×His tag at the C-terminus.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human TMIGD2/CD28H Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.