

# Recombinant Human TMIGD2/CD28H Protein

Catalog No.: RP00809 **Recombinant**

## Sequence Information

**Species** Human    **Gene ID** 126259    **Swiss Prot** Q96BF3

### Tags

C-His

### Synonyms

Transmembrane and immunoglobulin domain-containing protein 2; Immunoglobulin and proline-rich receptor 1; IGPR1; TMIGD2

## Product Information

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

**Calculated MW** 15.05 kDa    **Observed MW** 20-30 kDa

### Endotoxin

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

### Formulation

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

### Reconstitution

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 freeze-thaw cycles.

## Background

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.

## Basic Information

### Description

Recombinant Human TMIGD2/CD28H Protein is produced by Human cells expression system. The target protein is expressed with sequence (Leu23-Gly150) of human TMIGD2/IGPR1 (Accession #Q96BF3) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

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

### Storage

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.

### Operational Notes

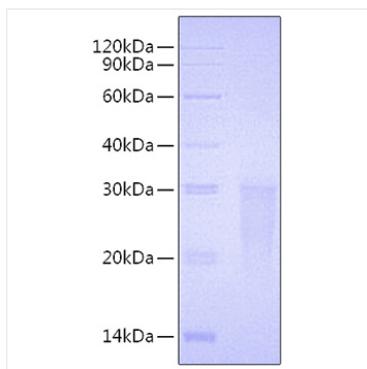
For your safety and health, please wear a lab coat and disposable gloves for handling.

## Contact

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## Validation Data

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