



[Go to Product page](#)

Datasheet for ABIN7317263
TMED1 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	TMED1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TMED1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human TMED1 Protein (Fc Tag)(Active)
Sequence:	Met 1-Asn194
Characteristics:	A DNA sequence encoding the human TMED1 (Q13445) (Met1-Asn194) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.2.Immobilized mouse ST2-His at 10µg/mL (100µL/well) can bind human TMED1-Fc, the EC50 of human TMED1-Fc is 0.05-0.2µg/mL.

Target Details

Target:	TMED1
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Target Details

Alternative Name: [TMED1 \(TMED1 Products\)](#)

Background: TMED1 belongs to the EMP24/GP25L family. It contains 1 GOLD domain and is widely expressed. TMED1 binds to its receptor IL1RL1 and results in the activation of DNA binding by nuclear factor NF-kappa-B or transcription from the IL8 promoter and most likely requires other proteins to elicit these activities. Dendritic cells from Peyer's patches (but not from spleen) express TMED1 in response to treatment with LPS. TMED1 may play a role in vesicular protein trafficking, mainly in the early secretory pathway. It may act as a cargo receptor at the luminal side for incorporation of secretory cargo molecules into transport vesicles and may be involved in vesicle coat formation at the cytoplasmic side.

Synonym: IL1r11,IL1RL1LG,Tp24

Molecular Weight: 46.2 kDa

UniProt: [Q13445](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.