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Datasheet for ABIN7319816 TMED1 Protein (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	TMED1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMED1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human TMED1 (C-Fc)
Sequence:	Ala24-Asn194
Characteristics:	Recombinant Human Transmembrane Emp24 Domain-containing Protein 1 is produced by our Mammalian expression system and the target gene encoding Ala24-Asn194 is expressed with a Fc tag 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.

Target Details

Target:	TMED1
Alternative Name:	TMED1 (TMED1 Products)
Background:	Background: TMED1 (Transmembrane Emp24 domain-containing protein 1) is a member of the TMED family of proteins (gene name TMED1). The TMED family of proteins are localized to

Target Details

membranes of the early secretory pathway, including the endoplasmic reticulum and Golgi, and function in vesicular protein trafficking. TMED1 is a 59 kDa monomer and has been reported to exist as homodimer. It contains 1 GOLD domain and is widely expressed. TMED1 is important in regulating innate immune signaling through its interaction with ST2L. Specifically, the GOLD domain in TMED1 interacts with the TIR domain of ST2L, a receptor for IL 33. This interaction promotes ST2L association with IL-33, allowing downstream signaling cascade activating MAP kinases, p38, and JNK. Studies have shown knockdown of TMED-1 in HUVECs impairs the IL-33 induced response resulting in reduction of IL-6 and IL-8 productions.

Synonym: IL1RL1-Binding Protein, Il1rl1l, IL1RL1LG, IL-1RL1LG, IL1RL1LGIL1RL1-binding protein, ST2L, T1/ST2 receptor binding protein, TMED1, Tp24

Molecular Weight: 46.3 kDa

UniProt: [Q13445](#)

Application Details

Restrictions: For Research Use only

Handling

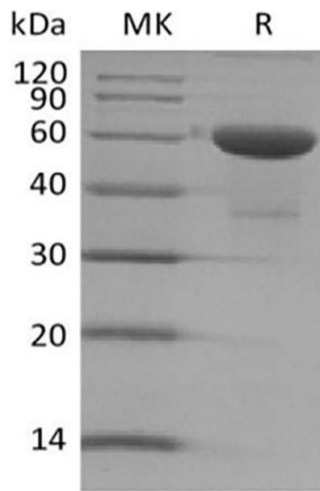
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 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.



Western Blotting

Image 1.