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Elabscience Biotechnology Inc.

Elabscience®

Recombinant Human TMED1 Protein (His Tag)(Active)

Catalog No. PKSH030660

Description

Synonyms	Il1rl1l;IL1RL1LG;Tp24
Species	Human
Expression_host	HEK293 Cells
Sequence	Met1-Asn194
Accession	Q13445
Mol_Mass	20.6 kDa
AP_Mol_Mass	28 kDa
Tag	C-His
Bio_activity	Measured by its binding ability in a functional ELISA.2.Immobilized human TMED1-His at 10μg/mL (100μL/well) can bind human IL1R4-Fc, the EC50 of human IL1R4-Fc is 8-50ng/mL.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4
Reconstitution	Please refer to the printed manual for detailed information.

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 lumenal side for incorporation of secretory cargo molecules into transport vesicles and may be involved in vesicle coat formation at the cytoplasmic side.

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