

Recombinant Human TMED4, Fc-tagged

Cat. No. TMED4-181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TMED4 /ERS25 Protein,With C-Fc Tag (rh TMED4 / ERS25 Fc Chimera) Leu 30 - Arg 194 (Accession # AAH57851) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	30-194 a.a.
Description	Transmembrane emp24 domain-containing protein 4 (TMED4) is also known as Endoplasmic reticulum stress-response protein 25 (ERS25), GMP25iso, p24 family protein alpha-3 (p24alpha3), which belongs to the EMP24/GP25L family. TMED4 is involved in vesicular protein trafficking, mainly in the early secretory pathway. TMED4 appears to play a role in the biosynthesis of secreted cargo including processing. TMED4 is also involved in endoplasmic reticulum stress response, and may play a role in the regulation of heat-shock response and apoptosis.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	rh TMED4 / ERS25 Fc Chimera is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 45.9 kDa. The predicted N-terminus is Leu 30. DTT-reduced Protein migrates as 48 kDa in SDS-PAGE due to glycosylation.

 Tel: 1-631-559-9269 1-516-512-3133

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU per µg of the rh TMED4 / ERS25 Fc Chimera by the LAL method.
Purity	>92% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).
Reconstitution	See Certificate of Analysis for reconstitution instructions and specific concentrations.

GENE INFORMATION

Gene Name	TMED4 transmembrane emp24 protein transport domain containing 4 [Homo sapiens]
Official Symbol	TMED4
Synonyms	TMED4; transmembrane emp24 protein transport domain containing 4; transmembrane emp24 domain-containing protein 4; HNLF; GMP25iso; p24alpha3; p24 family protein alpha-3; putative NFkB activating protein HNLF; putative NF-kappa-B-activating protein 156; endoplasmic reticulum stress-response protein 25 kDa; ERS25;
Gene ID	222068
mRNA Refseq	NM_182547
Protein Refseq	NP_872353
MIM	612038

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UniProt ID	Q7Z7H5
Chromosome Location	7p13
Function	signal transducer activity;

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