

Recombinant Human TMED10, His-tagged

Cat. No. TMED10-15897H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human TMED10 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Species Human

Source E.coli

ProteinLength 32-185aa

Description TMED10 is a member of the EMP24/GP25L/p24 family and a protein with a GOLD domain. This type I membrane protein is localized to the plasma membrane and golgi cisternae and is involved in vesicular protein trafficking. The protein is also a member of a heteromeric secretase complex and regulates the complex's gamma-secretase activity without affecting its epsilon-secretase activity. Mutations in this gene have been associated with early-onset familial Alzheimer's disease. This gene has a pseudogene on chromosome 8.

Form Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol.

Molecular Mass 20 kDa (177aa), confirmed by MALDI-TOF

AA Sequence
 MGSSHHHHHH SGLVPRGSH MGSISFHLPI NSRKCLREEI HKDLLVTGAY
 EISDQSGGAG GLRSHLKITD SAGHILYSKE DATKGKFAFT TEDYDMFEVC
 FESKGTGRIP DQLVILDMKH GVEAKNYEEI AKVEKLPLE VELRRLEDLS
 ESIVNDFAYM KKREEEMRDT NESTNTR

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	TMED10 transmembrane emp24-like trafficking protein 10 (yeast) [Homo sapiens]
Official Symbol	TMED10
Synonyms	TMED10; transmembrane emp24-like trafficking protein 10 (yeast); transmembrane emp24 domain-containing protein 10; P24(DELTA); TMP21; p24delta; p24delta1; p24 family protein delta-1; transmembrane protein Tmp21; 21 kDa transmembrane trafficking protein; 21 kDa transmembrane-trafficking protein; p23; S311125; Tmp-21-l; S3111125;
Gene ID	10972
mRNA Refseq	NM_006827
Protein Refseq	NP_006818
MIM	605406
UniProt ID	P49755

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Chromosome Location	14q24.3
Pathway	mRNA processing, organism-specific biosystem;
Function	protein binding;

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