Recombinant human Tmp21/p23 protein

Catalog Number: ATGP2253

PRODUCT INFORMATION

Expression system
E.coli

Domain
32-185aa

UniProt No.
P49755

NCBI Accession No.
NP_006818

Alternative Names
Transmembrane emp24 domain-containing protein 10, p23, P24(DELTA), S31I125, S31III125, Tmp-21-I, TMP21

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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chromatography techniques.

Amino acid Sequence

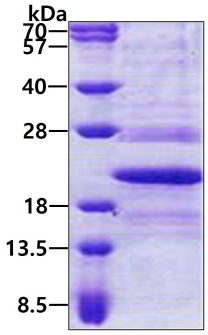
<MGSSHHHHHH SSGLVPRGSH MGS>ISFHLPI NSRKCLREEI HKDLLVTGAY EISDQSGGAG GLRSHLKITD SAGHILYSKE DATKGKFAFT TEDYDMFEVC FESKGTGRIP DQLVILDMKH GVEAKNYEEI AKVEKLKPLE VELRRLEDLS ESIVNDFAYM KKREEEMRDT NESTNTR

General References

Chen F, Hasegawa H, et al. (2006). Nature. 440(7088):1208-12.
Wang H, et al. (2002). J Biol Chem. 277(6):4541-50.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.