

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 MGSISFHLPI NSRKCLREEI HKDLLVTGAY EISDQSGGAG GLRSHLKITD SAGHILYSKE
DATKGKFAFT TEDYDMFEVC FESKGTGRIP DQLVILDMKH GVEAKNYEEI AKVEKLKPLE VELRRLEDLS ESIVNDFAYM
KKREEEMRDT NESTNTR

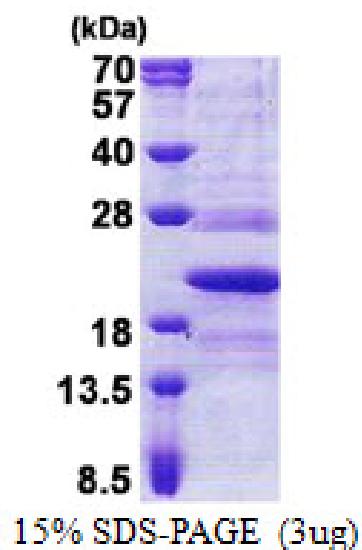
General References

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.