

Recombinant Human Full Length ITM2B Protein, Flag tagged

Cat. No. ITM2B-13HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein of human integral membrane protein 2B (ITM2B) with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-266 aa
Description	Amyloid precursor proteins are processed by beta-secretase and gamma-secretase to produce beta-amyloid peptides which form the characteristic plaques of Alzheimer disease. This gene encodes a transmembrane protein which is processed at the C-terminus by furin or furin-like proteases to produce a small secreted peptide which inhibits the deposition of beta-amyloid. Mutations which result in extension of the C-terminal end of the encoded protein, thereby increasing the size of the secreted peptide, are associated with two neurogenerative diseases, familial British dementia and familial Danish dementia.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	30.2 kDa
AASequence	MVKVTFNSALAQKETKKDEPKSGEEALIIPDAVAVDCKDPDDVVPVGQRRAWCWC MCFGLAFMLAGVILGGAYLYKYFALQPDDVYYCGIKYIKDDVILNEPSADAPAALYQTI EENIKIFEEEEVEFISVPVPEFADSDPANIVHDFNKKLTAYLDLNLDKCYVIPLNTSIVM

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PPRNLELLINIKAGTYLPQSYLIHEHVMITDRIENIDHLGFFIYRLCHDKETYKLQRRE
TIKGIQKREASNCFAIRHFENKFAVETLICSTRTRPLEQKLISEEDLAANDILDYKDDDD
KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration >0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

Gene Name ITM2B integral membrane protein 2B [Homo sapiens (human)]

Official Symbol ITM2B

Synonyms ITM2B; integral membrane protein 2B; BRI; E3 16; E25B; ABri/ADan amyloid peptide; transmembrane protein BRI; BRICHOS domain containing 2B; FBD; ABRI; BRI2; E3-16; BRICD2B

Gene ID 9445

mRNA Refseq NM_021999

Protein Refseq NP_068839

MIM 603904

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UniProt ID

Q9Y287

SDS-PAGE



116 —
66 —
45 —
35 —
25 —
18 —
14 —

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