

Recombinant Full Length Human ITM2B Protein, GST-tagged

Cat. No. ITM2B-5823HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITM2B full-length ORF (NP_068839.1, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	266 amino acids
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. [provided by RefSeq, Oct 2009]
Molecular Mass	56.7 kDa
AA Sequence	MVKVTFNSALAQKEAKKDEPKSGEEALIIPDAVAVDCKDPDDVVPVGQRRRAWCW CMCFGLAFMLAGVILGGAYLYKYFALQPDDVYYCGIKYIKDDVILNEPSADAPAALYQ TIEENIKIFEEEEVEFISVPVPEFADSDPANIVHDFNKKLTAYLDLNLDKCYVIPLNTSIV MPPRNLELLINIKAGTYLPQSYLIHEHVMITDRIENIDHLGFFIYRLCHDKETYKLQRR ETIKGIQKREASNCFAIRHFENKFAVETLICS

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ITM2B integral membrane protein 2B [Homo sapiens]
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
UniProt ID	Q9Y287

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