

# Recombinant Full Length Human ITM2B Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human ITM2B full-length ORF ( NP_068839.1, 1 a.a. - 266 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	266 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	56.7 kDa
<b>AA Sequence</b>	MVKVTFNSALAQKEAKKDEPKSGEEALIIPDAVAVDCKDPDDVVPVGQRRRAWCW CMCFGLAFMLAGVILGGAYLYKYFALQPDDVYYCGIKYIKDDVILNEPSADAPAALYQ TIEENIKIFEEEEVEFISVPVPEFADSDPANIVHDFNKKLTAYLDLNLDKCYVIPLNTSIV MPPRNLELLINIKAGTYLPQSYLIHEHMVITDRIENIDHLGFFIYRLCHDKETYKLQRR ETIKGIQKREASNCFAIRHFENKFAVETLICS

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

## GENE INFORMATION

<b>Gene Name</b>	ITM2B integral membrane protein 2B [ Homo sapiens ]
<b>Official Symbol</b>	ITM2B
<b>Synonyms</b>	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;
<b>Gene ID</b>	9445
<b>mRNA Refseq</b>	NM_021999
<b>Protein Refseq</b>	NP_068839
<b>MIM</b>	603904
<b>UniProt ID</b>	Q9Y287

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