

## Product datasheet for TP302377

### ITM2B (NM\_021999) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human integral membrane protein 2B (ITM2B), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202377 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MVKVTFNSALAQKETKKDEPKSGEEALIIPDAVAVDCKDPDDWVPVQRRRAWCWCWCMCFGLAFMLAGVIL GGAYLYKYFALQPDDVYYCGIKYIKDDVILNEPSADAPAALYQTIENIKIFEEEEVEFISVPVPEFADS DPANIVHDFNKKLTAYLDLNLDKCYVIPLNTSIVMPPRNLELLINIKAGTYLPQSYLIHEHMVITDRIE NIDHLGFFIYRLCHDKETYKLRRETIKGIQKREASNCFAIRHFENKFAVETLICS
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	30.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	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°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_068839</a></u>
Locus ID:	9445
UniProt ID:	<u><a href="#">Q9Y287</a></u> , <u><a href="#">A0A384MDP7</a></u>



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RefSeq Size: 1896

Cytogenetics: 13q14.2

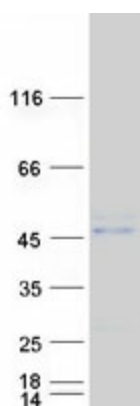
RefSeq ORF: 798

Synonyms: ABRI; BRI; BRI2; BRICD2B; E3-16; E25B; FBD; imBRI2; RDGCA

**Summary:** 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 neurodegenerative diseases, familial British dementia and familial Danish dementia. [provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified ITM2B protein (Cat# TP302377). The protein was produced from HEK293T cells transfected with ITM2B cDNA clone (Cat# [RC202377]) using MegaTran 2.0 (Cat# [TT210002]).