

Product datasheet for **TP721036**

ITM2B (NM_021999) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Human integral membrane protein 2B (ITM2B) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | Tyr76-Ser266 |
| Tag: | C-His |
| Predicted MW: | 23.3 kDa |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg) |
| Reconstitution Method: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_068839 |
| Locus ID: | 9445 |
| UniProt ID: | Q9Y287 , A0A384MDP7 |
| RefSeq Size: | 1896 |
| Cytogenetics: | 13q14.2 |
| RefSeq ORF: | 798 |
| Synonyms: | ABRI; BRI; BRI2; BRICD2B; E3-16; E25B; FBD; imBRI2; RDGCA |



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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