

Datasheet for ABIN7562707  
**ITM2B Protein (AA 1-266) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ITM2B
Protein Characteristics:	AA 1-266
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITM2B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Itm2b Protein expressed in mammalien cells.
Sequence:	MVKVTFNSAL AQKEAKKDEP KSSEEALIVP PDAVAVDCKD PGDVVPVGQR RAWCWCMCFG LAFMLAGVIL GGAYLYKYFA LQPDDVYYCG LKYIKDDVIL NEPSADAPAA RYQTIEENIK IFEEDAVEFI SVPVPEFADS DPANIVHDFN KKLTA YLDLN LDKCYVIPLN TSIVMPPKNL LELLINIKAG TYLPQSYLIH EHMVITDRIE NVDNLGFFIY RLCHDKETYK LQRRETIRGI QKREASNCFT IRHFENKFAV ETLICS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and</li></ul>

## Product Details

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transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: ITM2B

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Alternative Name: Itm2b ([ITM2B Products](#))

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Background: Integral membrane protein 2B (Immature BRI2) (imBRI2) (Protein E25B) (Transmembrane protein BRI) (Bri) [Cleaved into: BRI2, membrane form (Mature BRI2) (mBRI2), BRI2 intracellular domain (BRI2 ICD), BRI2C, soluble form, Bri23 peptide (Bri2-23) (ABri23) (C-terminal peptide) (P23 peptide)],FUNCTION: Plays a regulatory role in the processing of the amyloid-beta A4 precursor protein (APP) and acts as an inhibitor of the amyloid-beta peptide aggregation and fibrils deposition. Plays a role in the induction of neurite outgrowth. Functions as a protease inhibitor by blocking access of secretases to APP cleavage sites (By similarity). {ECO:0000250}., FUNCTION: Mature BRI2 (mBRI2) functions as a modulator of the amyloid-beta A4 precursor protein (APP) processing leading to a strong reduction in the secretion of secretase-processed amyloid-beta protein 40 and amyloid-beta protein 42. {ECO:0000250}., FUNCTION: Bri23 peptide prevents aggregation of APP amyloid-beta protein 42 into toxic oligomers. {ECO:0000250}.

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Molecular Weight: 30.3 kDa

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UniProt: [O89051](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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