

## ITM2B Protein, Human, Recombinant (His)

### General Information

Synonyms:	Transmembrane Protein BRI;Protein E25B;BRI2;imBRI2;Immature BRI2;BRI;ITM2B;Integral Membrane Protein 2B
Protein Construction:	Tyr76-Ser266
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9Y287
Molecular Weight:	29-33 KDa (reducing condition)
AA Sequence:	Tyr76-Ser266

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Acetate, 10% Trehalose, 25 mM NaCl, 10% Glycerol, 0.05% Tween 80, pH 4.5.

### Preparation and Storage

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

Proteins are shipped with blue ice.

### Protein Background

Integral Membrane Protein 2B (ITM2B) is expressed in the Golgi and on the cell surface. ITM2B forms homodimer through disulfide-linked interaction with SPPL2A, SPPL2B and APP. ITM2B is expressed in brain and the other tissues. Defects in ITM2B cause cerebral amyloid angiopathy ITM2B-related type 1(CAA-ITM2B1) and amyloid angiopathy ITM2B-related type 2(CAA-ITM2B2). CAA-ITM2B1 is characterized by amyloid deposition in the walls of cerebral blood vessels and neurodegeneration in the central nervous system. CAA-ITM2B2 characterized by amyloid deposition in the walls of the blood vessels of the cerebrum, choroid plexus, cerebellum, spinal cord and retina.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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