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Datasheet for ABIN2115428

**ITM2B Protein (AA 76-266) (His tag)**

## Overview

Quantity:	50 µg
Target:	ITM2B
Protein Characteristics:	AA 76-266
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITM2B protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Integral Membrane Protein 2B/ITM2B/imBRI2 (C-6His)
Sequence:	YKYFALQPDD VYYCGIKYIK DDVILNEPSA DAPAALYQTI EENIKIFEEE EVEFISVPVP EFADSDPANI VHDFNKKLTA YLDLNLDKCY VIPLNTSIVM PPRNLLELLI NIKAGTYLPQ SYLIHEHMMVI TDRIENIDHL GFFIYRLCHD KETYKLQRRE TIKGIQKREA SNCFAIRHFE NKFAVETLIC SVDHHHHHHH
Characteristics:	Recombinant Human Integral Membrane Protein 2B/ITM2B is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Tyr76-Ser266) of Human ITM2B fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	ITM2B
Alternative Name:	ITM2B ( <a href="#">ITM2B Products</a> )
Background:	<p>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.</p> <p>Synonyms: Integral Membrane Protein 2B, Immature BRI2, imBRI2, Protein E25B, Transmembrane Protein BRI, Bri, ITM2B, BRI, BRI2</p>
Molecular Weight:	23.3 kDa
UniProt:	<a href="#">Q9Y287</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>