Recombinant Human ITM2B

Catalog No: C679

Description	Recombinant Human Integral Membrane Protein 2B is produced by our Mammalian expression system and the target gene encoding Tyr76-Ser266 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Integral Membrane Protein 2B; Immature BRI2; imBRI2; Protein E25B; Transmembrane Protein BRI; Bri; ITM2B; BRI; BRI2
Accession No.	Q9Y287
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	YKYFALQPDDVYYCGIKYIKDDVILNEPSADAPAALYQTIEENIKIFEEEEVEFISVPVPEFADSDPANIVH DFNKKLTAYLDLNLDK CYVIPLNTSIVMPPRNLLELLINIKAGTYLPQSYLIHEHMVITDRIENIDHLGFFIYRLCHDKETYKLQRRET IKGIQKREASNCFAIRH FENKFAVETLICSVDHHHHHH
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.
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