Recombinant Human ITM2B Protein (His Tag)

Catalog Number: PKSH032599



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Integral Membrane Protein 2B;Immature BRI2;imBRI2;Protein

E25B;Transmembrane Protein BRI;Bri;ITM2B;BRI;BRI2

Species Human

Expression Host

Sequence
Tyr76-Ser266
Accession
Q9Y287
Calculated Molecular Weight
Observed molecular weight
Tag
C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Store at $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

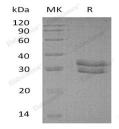
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Acetate, 10% Trehalose, 25mM

NaCl, 10% Glycerol, 0.05% Tween 80, pH 4.5.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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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