

Recombinant Human VAMP-B/VAMP-C Protein

Catalog No.: RP02136 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 9217 095292

Tags C-His

Synonyms

VAPB;ALS8;VAMP-B;VAP-B

Product Information

Source Purification
E. coli ≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

16 kDa 16 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

vesicle-associated membrane protein-associated protein B/C (VAPB) is presents in mitochondria-associated membranes that are endoplasmic reticulum membrane regions closely apposed to the outer mitochondrial membrane. It can form homodimer, and heterodimer with VAPA. It also interacts with VAMP1, VAMP2, HCV NS5A, NS5B, ZFYVE27 and RMDN3. VAPB participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity. It is involved in cellular calcium homeostasis regulation.

Basic Information

Description

Recombinant Human VAMP-B/VAMP-C Protein is produced by E.coli expression system. The target protein is expressed with sequence (Ala2-Pro132) of human VAMPB (Accession #O95292) fused with a 6xHis tag at the C- terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

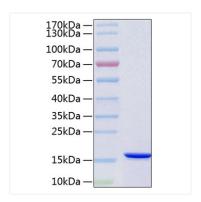
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human VAMP-B/VAMP-C Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.