

# Recombinant Human VAMP-B/VAMP-C Protein

Catalog No.: RP02136 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human	9217	O95292

### Tags

C-His

### Synonyms

VAPB;ALS8;VAMP-B;VAP-B

## Product Information

<b>Source</b>	<b>Purification</b>
<i>E. coli</i>	> 90% by SDS-PAGE.

<b>Calculated MW</b>	<b>Observed MW</b>
16 kDa	16 kDa

### Endotoxin

&lt; 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

		400-999-6126
--	--	--------------

		<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
--	--	--

		<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>
--	--	--

## 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

#### Storage

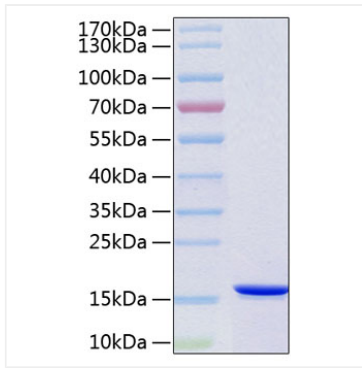
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Validation Data

---



Recombinant Human VAMP-B/VAMP-C Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 16kDa.