

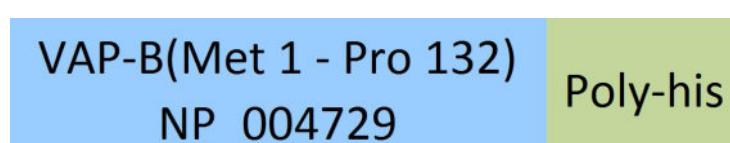
**Synonym**

VAPB,ALS8,VAMP-B

**Source**

Human VAP-B, His Tag (VAB-H5127) is expressed from E.coli cells. It contains AA Met 1 - Pro 132 (Accession # NP\_004729).

Predicted N-terminus: Met 1

**Molecular Characterization**

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 15.8 kDa. The protein migrates as 16-18 kDa under reducing (R) condition (SDS-PAGE).

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

&gt;95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

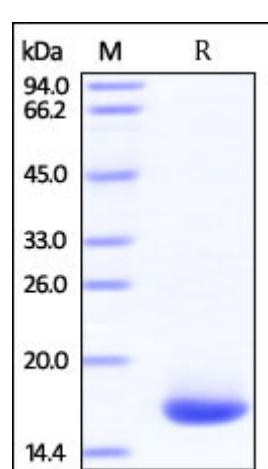
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

No activity loss was observed after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human VAP-B, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**Background**

Vesicle-associated membrane protein-associated protein B/C (VAPB) is also known as VAMP-associated protein B/C (VAMP-B/VAMP-C or VAP-B/VAP-C), which is a single-pass type IV membrane protein and belongs to the VAMP-associated protein ( VAP ) family. Involved in cellular calcium homeostasis regulation, VAPB participates in the endoplasmic reticulum unfolded protein response (UPR) by inducing ERN1/IRE1 activity as well. VAPB can interact with VAMP1 ,VAMP2, HCV NS5A, NS5B ,ZFYVE27 (via MSP domain) and RMDN3. Human VAPB is involved in hepatitis C virus replication through interaction with NS5A and NS5B.

**References**

## Human VAP-B Protein, His Tag

Catalog # VAB-H5127



- (1) [Hamamoto I., et al., 2005, J. Virol. 79:13473-13482.](#)
- (2) [Kanekura K., et al., 2006, J. Biol. Chem. 281:30223-30233.](#)
- (3) [Saita S., et al., 2009, J. Biol. Chem. 284:13766-13777.](#)

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.