



Recombinant Protein Technical Manual
Recombinant Human VAPB Protein (His Tag)(Active)
RPES3595

Product Data:

Product SKU: RPES3595

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O95292

Protein Information:

Molecular Mass: 16.0 kDa

AP Molecular Mass: 16 kDa

Tag: C-6His

Bio-activity: Immobilized Human EphB2-Fc(Cat: PKSH032012) at 1µg/ml(100 µl/well) can bind Human VAMPB-His. The ED50 of Human VAMPB-His is 5.179ug/ml .

Purity: > 90 % as determined by reducing SDS-PAGE.

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Vesicle-associated membrane protein-associated protein B/C;VAMP-B/VAMP-C;VAMP-associated protein B/C;VAP-B/VAP-C

Immunogen Information:

Sequence: Ala2-Pro132

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.