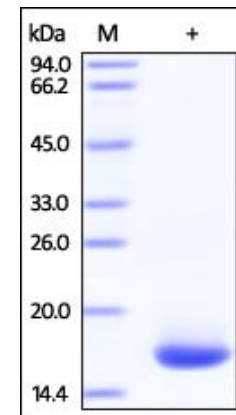


Human CellExp™ VAPB, Human recombinant

CATALOG NO:	P1135-10	10 µg
	P1135-50	50 µg
ALTERNATE NAMES:	VAPB, ALS8, VAMP-B, Vesicle-associated membrane protein-associated protein B/C	
SOURCE:	HEK 293 cells (Met1 – Pro 132)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	rh VAPB is fused with a polyhistidine tag at the C-terminus, and has a calculated MW of 15.8 kDa. The predicted N-terminus is Met 1. DTT-reduced Protein migrates as 16-18 kDa in SDS-PAGE	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -80°C.	
DESCRIPTION:	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.	



The purity of rh VAPB was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp™ CCL6, mouse recombinant (Cat. No. 7226-10, -50)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

FOR RESEARCH USE ONLY! Not to be used on humans.