

## VAMP3 Protein, Human (His)

Cat. No.:	HY-P76121
Synonyms:	Vesicle-associated membrane protein 3; VAMP-3; Cellubrevin; CEB; Synaptobrevin-3; VAMP3; SYB3
Species:	Human
Source:	E. coli
Accession:	Q15836 (M1-K77)
Gene ID:	9341
Molecular Weight:	Approximately 11 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	VAMP3, a critical SNARE protein, plays a key role in orchestrating vesicular transport from late endosomes to the trans-Golgi network. The interaction with BVES, facilitated through its C-terminus cytoplasmic tail, assumes significance in this transport process. Moreover, VAMP3 collaborates with BCAP31, contributing to the efficient export of VAMP3 from the endoplasmic reticulum. Notably, the association with BAIAP3 is subject to modulation by calcium, revealing a nuanced regulatory aspect. In addition to these interactions, VAMP3 engages with PICALM, further underscoring the intricate network of molecular associations governing its diverse cellular functions.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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