

**VAMP4 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP20234c

**Specification****VAMP4 Blocking Peptide (Center) - Product Information**

Primary Accession [Q75379](#)  
Other Accession [Q70480](#), [Q32L97](#),  
[NP\\_003753.2](#)

**VAMP4 Blocking Peptide (Center) - Additional Information****Gene ID** 8674**Other Names**Vesicle-associated membrane protein 4,  
VAMP-4, VAMP4**Target/Specificity**The synthetic peptide sequence is selected  
from aa 76-90 of HUMAN VAMP4**Format**Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.**Precautions**This product is for research use only. Not  
for use in diagnostic or therapeutic  
procedures.**VAMP4 Blocking Peptide (Center) - Protein Information****Name** VAMP4**Function**Involved in the pathway that functions to  
remove an inhibitor (probably  
synaptotagmin-4) of calcium-triggered  
exocytosis during the maturation of**VAMP4 Blocking Peptide (Center) - Background**

Synaptobrevins/VAMPs, syntaxins, and the  
25-kD  
synaptosomal-associated protein SNAP25 are  
the main components of a  
protein complex involved in the docking and/or  
fusion of synaptic  
vesicles with the presynaptic membrane. The  
protein encoded by this  
gene is a member of the vesicle-associated  
membrane protein  
(VAMP)/synaptobrevin family. This protein may  
play a role in  
trans-Golgi network-to-endosome transport.

**VAMP4 Blocking Peptide (Center) - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Sabra, M.M., et al. Mol. Genet. Metab.  
85(2):133-139(2005)  
Ballif, B.A., et al. Mol. Cell Proteomics  
3(11):1093-1101(2004)  
Hanners, I., et al. EMBO Rep.  
4(12):1182-1189(2003)

secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule.

**Cellular Location**

Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles

**VAMP4 Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)