
Product Data Sheet

Product Name: VAMP2 Mouse
 Cat. No.: GP24972
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vesicle-associated membrane protein 2; VAMP-2; Synaptobrevin-2; Vamp2; Syb2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSATAA TVPPAAPAGE GGPPAPPNL TSNRRLQQTQ AQVDEVVDIM RVNVDKVLER DQKLSEDDR ADALQAGASQ FETSAAKLKR KYWWKNLK.		
Formulation	VAMP2 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH7.4), 1mM EDTA, 0.1mM PMSF and 10% glycerol.		

Introduction

Synaptobrevin 2 which is an 18 kDa integral membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal. Synaptobrevin 2 is predominantly expressed in Langerhans islets and glomerular cells. The N-terminal domain of the protein (residues 1-89) forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

VAMP2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 118 amino acids (1-94 a.a) and having a molecular mass of 12.8kDa. VAMP2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary

Caution: Product has not been fully validated for medical applications. For research use only.

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chromatographic techniques.

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