
Product Data Sheet

Product Name: VAMP2 Human, (1-94)
 Cat. No.: GP26357
 Batch No.: 1

Product Data

Purity	>98%	Source	E.Coli
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Vesicle Associated Membrane Protein 2, Vesicle-Associated Membrane Protein 2, Synaptobrevin 2, VAMP-2, SYB2, Synaptobrevin-2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSATAA TAPPAAPAGE GGPPAPPNL TSNRRLLQQTQ AQVDEVVDIM RVNVDKVLER DQKLSEDDR ADALQAGASQ FETSAAKLKR KYWWKNLK.		
Formulation	The VAMP2 solution (0.5mg/1ml) contains 0.1mM PMSF, 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

Synaptobrevin-2 or VAMP2 is a protein that has a proline-rich N-terminal part, highly conserved hydrophilic domain, a transmembrane anchor and a C-terminal. VAMP2 found in the transmembrane region of the cell, in the cytoplasmic surface of the synaptic vesicle. The protein is mainly found in the Langerhans islets in the pancreas and glomerular cells in the kidney. A SNARE complex is created within the protein's N-terminal domain and the target membrane-associated T.

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 Human 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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