

Datasheet for ABIN7281224
VAMP2 Protein (AA 1-94) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	VAMP2
Protein Characteristics:	AA 1-94
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This VAMP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMSATAA TVPPAAPAGE GGPPAPPPNL TSNRRLQQTQ AQQVDEVVDIM RVNVDKVLER DQKLSLDDR ADALQAGASQ FETSAAKLKR KYWWKNLK
Purity:	> 90 % by SDS-PAGE

Target Details

Target:	VAMP2
Alternative Name:	Vamp2 (VAMP2 Products)
Background:	Vamp2, also known as Vesicle-associated membrane protein 2, is involved in the targeting and/or fusion of transport vesicles to their target membrane. It modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Vamp2 proteins localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-

Target Details

terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal. This proteins also known to mediate cAMP-stimulated exocytosis in nerve cells and in renal cells of the juxtaglomerular apparatus. Recombinant mouse Vamp2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography

Molecular Weight: 12.8 kDa (118aa) Confirmed by MALDI-TOF

NCBI Accession: [NP_033523](#)

UniProt: [P63044](#)

Pathways: [Peptide Hormone Metabolism](#), [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

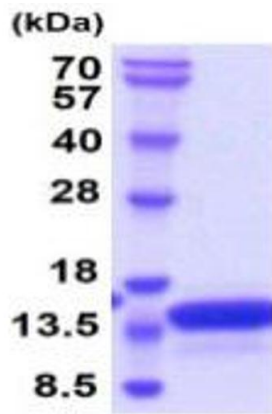
Format: Liquid

Concentration: 1 mg/mL

Buffer: : Liquid. In Phosphate Buffered Saline (pH 7.4) containing 1 mM EDTA, 0.1 mM PMSF, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3 μ g)

SDS-PAGE

Image 1.