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AR09091PU-L Recombinant human Synaptobrevin-2 (VAMP2) (aa 1-89), His-tagged

Alternate names: SYB2, VAMP2, Vesicle-associated membrane protein 2

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: Synaptobrevin 2 (Vesicle-associated membrane, VAMP2), 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.

Uniprot ID: P63027

NCBI: NP_055047.2

GeneID: 6844

Species: Human

Source: E. coli

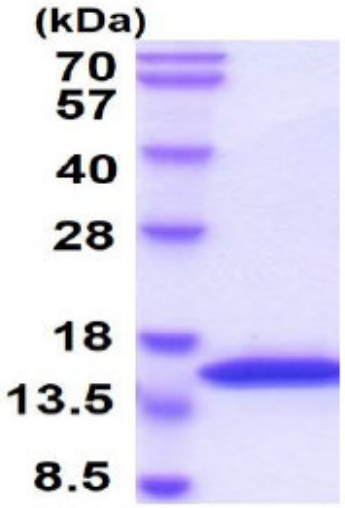
Format:
State: Liquid purified protein
Purity: ≥95 by SDS PAGE
Buffer System: PBS, pH 7.4, 1 mM EDTA

Description: Synaptobrevin 2, amino acids 1-89, fused to His-tag was expressed in E.coli.
AA Sequence:
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMSA TAATAPPAAP AGEGGPPAPP PNLTSNRRLQ QTQAQVDEVV DIMRVNVDKV LERDQKLSEL DDRADALQAG ASQFETSAAKLKRKYW
Molecular weight: 13.8 kDa (126 aa)

Storage: Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Scales SJ. et al (2002) J Biol. Chem. 227(31):28271-28279.

Pictures:



15% SDS-PAGE (3ug)