

**Synaptobrevin 2,1-89 aa, Human, Recombinant, His- tagged, E.coli**

**Cat.NO.: TP04108**

3th Edition

**Synonyms:**VAMP2, SYB2, Synaptobrevin 2, VAMP-2, Synaptobrevin-2, Vesicle-associated membrane protein 2, vesicle-associated membrane protein 2 FLJ11460, RATVAMPB, RATVAMPIR, SYB, VAMP 2

**Description:**Synaptobrevin 2(Vehicle-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.

**Form:**Liquid. In Phosphate-buffered saline (pH 7.4), 1mM EDTA

**Molecular Weight:**13.8 kDa (126 aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSATAATAPPAAPAGEGGPPAPPPNLTSNRRLQQ  
TQAQVDEVVDIMRVNVDKVLERDQKLSELDDRADALQAGASQFETSAAKLKRKYW

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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