

□ Cat # RP-988

Recombinant Human Geminin

**Size:** □ 5 ug

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.

#### **SOURCE:**

VAMP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 126 amino acids (1-89) and having a molecular mass of 13.8 kDa. The VAMP contains 37 amino acids His-Tag fused at N-terminus. The protein solution contains 1X PBS and 1mM EDTA.

#### **APPLICATION AND SUGGESTED DILUTIONS:**

Greater than 95.0% as determined by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

#### **STORAGE & STABILITY:**

Synaptobrevin although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1week or aliquots in suitable size and store at -20°C for long term storage.

#### **USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

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