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# Recombinant human VAMP-1 protein

Catalog Number: VAM0711

# **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-91aa

#### **UniProt No.**

P23763

#### **NCBI Accession No.**

NP 055046

#### **Alternative Names**

Vesicle-associated membrane protein 1 isoform 1, VAMP1, SYB1, Synaptobrevin 1, VAMP-1, Synaptobrevin-1, Vesicle-associated membrane protein 1 isoform 1 DKFZp686H12131, SYB 1, Synaptobrevin1, VAMP 1, Vesicle associated membrane protein 1, Vesicle associated membrane protein 1 synaptobrevin 1.

# **PRODUCT SPECIFICATION**

# **Molecular Weight**

11.9 kDa (111aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM EDTA

# **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

# **Description**

Synaptobrevin 1 (Vehicle-associated membrane, VAMP1) is one of the key proteins in the SNARE complex which is involved in regulated exocytosis. Synaptobrevin1 binds to t-SNAREs, syntaxin (STX) and SNAP25, after the fusion of synaptic vesicles to plasma membrane. Recombinant human Synaptobrevin1, fused to His- tag at N-



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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

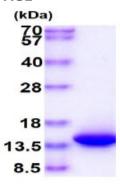
MGSSHHHHHH SSGLVPRGSH MSAPAQPPAE GTEGTAPGGG PPGPPPNMTS NRRLQQTQAQ VEEVVDIIRV NVDKVLERDQ KLSELDDRAD ALQAGASQFE SSAAKLKRKY W

#### **General References**

Nystuen AM., et al. (2007) Neurogenetics. 8:1-10. Pennuto M., et al. (2003) Mol Biol Cell. 14:4909-19.

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

