# **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 1-206aa

**UniProt No.** P60880

NCBI Accession No. NP\_570824.1

### **Alternative Names**

Synaptosomal-associated protein 25 isoform SNAP25B, SNAP25, SNAP, SNAP25, Synaptosomal-associated protein, His- tag, SNAP-25, Synaptosomal-associated 25 kDa protein, Super protein, SuP, Synaptosomal-associated protein 25, Synaptosomal-associated protein 25 isoform SNAP25B bA416N4.2, Bdr, dJ1068F16.2, FLJ23079, HGNC:11132, MGC105414, MGC139754, Resistance to inhibitors of cholinesterase 4 homolog, RIC 4, RIC4, SEC9, SNAP 25, SNAP-25B, SNP 25, sp, Synaptosomal associated 25 kDa protein, Synaptosomal associated protein, Synaptosomal Associated Protein 25, Synaptosomal associated protein 25kDa.

# **PRODUCT SPECIFICATION**

# **Molecular Weight**

25.4 kDa (226aa) confirmed by MALDI-TOF

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

# Formulation

Liquid in. 50mM HEPES buffer (pH 7.4) containing 5mM DTT, 100mM NaCl

#### Purity

> 90% 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

The synaptosomal-associated protein (SNAP-25) is an essential component of the core complex that mediates



presynaptic vesicle trafficking. Thus, SNAP-25 is directly involved in the release of neurotransmitters. Recombinant human SNAP25, fused to His tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

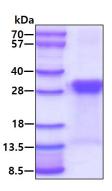
<MGSSHHHHHH SSGLVPRGSH> MAEDADMRNE LEEMQRRADQ LADESLESTR RMLQLVEESK DAGIRTLVML DEQGEQLERI EEGMDQINKD MKEAEKNLTD LGKFCGLCVC PCNKLKSSDA YKKAWGNNQD GVVASQPARV VDEREQMAIS GGFIRRVTND ARENEMDENL EQVSGIIGNL RHMALDMGNE IDTQNRQIDR IMEKADSNKT RIDEANQRAT KMLGSG

#### **General References**

Tafoya LC., et al. (2006) J. Neurosci . 26(30):7826-38. Schulz JR., . (1998) J. Biol Chem. 273(38):24355-9.

# DATA

#### **SDS-PAGE**



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