

# Recombinant human SNAP25 protein

Catalog Number: SNP0601

## PRODUCT INFORMATION

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### 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

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### 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

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### Description

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

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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 VDREQMAIS  
GGFIRRVTND ARENEMDENL EQVSGIIGNL RHMALDMGNE IDTQNRQIDR IMEKADSNKT RIDEANQRAT KMLGSG

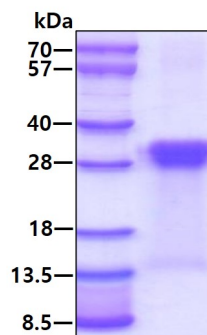
### General References

Tafoya LC., et al. (2006) *J. Neurosci.* 26(30):7826-38.

Schulz JR., . (1998) *J. Biol Chem.* 273(38):24355-9.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.