

# Recombinant human SNAP25 protein

Catalog Number: SNP0801

## 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, FLJ23079, SNAP25, RIC-4, RIC4, SEC9, SNAP, SNAP-25, Synaptosomal-associated protein 25 isoform SNAP25B, Synaptosomal-associated protein 25 isoform SNAP25B SuP, Super protein, bA416N4.2, Bdr, dj1068F16.2, HGNC:11132, MGC105414, MGC139754, Resistance to inhibitors of cholinesterase 4 homolog, RIC 4, SEC9, SNAP 25, SNAP-25B, SNP 25, SNP25, 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

23.3 kDa (206aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 25mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### 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 and this protein exists as two alternative isoforms, SNAP25A and SNAP25B which differ by 9 amino acids in central portion of these proteins. Recombinant SNAP25B protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

## Amino acid Sequence

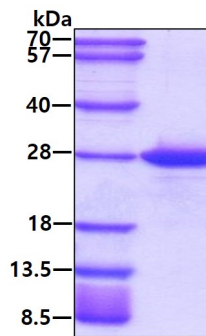
MAEDADMRNE LEEMQRRADQ LADESLESTR RMLQLVEESK DAGIRTLVML DEQGEQLERI EEGMDQINKD MKEAEKNLTD  
LGKFCGLCVC PCNKLKSSDA YKKAWGNNQD GVVASQPARV VDEREQMAIS GGFIRRV TND ARENEMDENL EQVSGIIGNL  
RHMALDMGNE IDTQNRQIDR IMEKADSNKT RIDEANQRAT KMLGSG

## General References

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

## DATA

### SDS-PAGE



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