

## Product datasheet

# Recombinant Human SNAP25 protein ab51048

1 Image

### Overview

<b>Product name</b>	Recombinant Human SNAP25 protein
<b>Protein length</b>	Full length protein

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Accession</b>	<a href="#">P60880</a>
<b>Species</b>	Human
<b>Sequence</b>	<p>MAEDADMRNELEEMQRRADQLADESLESTRMLQLV  EESKDAGIRTLVML DEQGEQLERIEEGMDQINKD  MKEAEKNLTDLGKFCGLCVPCNKLKSS  DAYKKA WGNNQDGVVASQPARVVDEREQMAISGGFI  RRVTND ARENEM  DENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKA  DSNKTRIDEAN QRATKMLGSG</p>
<b>Molecular weight</b>	23 kDa
<b>Amino acids</b>	1 to 206
<b>Tags</b>	His tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab51048** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Purity</b>	> 95 % SDS-PAGE. Recombinant human SNAP25, fused to His tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques.
<b>Form</b>	Liquid

### Preparation and Storage

## Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.0308% DTT, 0.316% Tris HCl, 0.0292% EDTA, 0.29% Sodium chloride

## General Info

### Function

t-SNARE involved in the molecular regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling through its interaction with CENPF.

### Tissue specificity

Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.

### Sequence similarities

Belongs to the SNAP-25 family.  
Contains 2 t-SNARE coiled-coil homology domains.

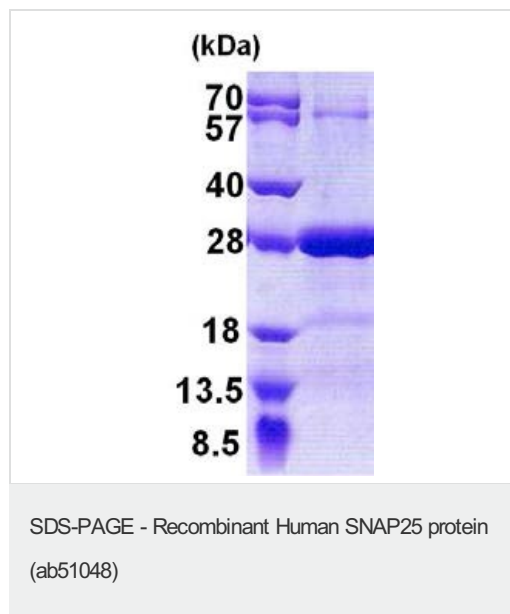
### Post-translational modifications

Palmitoylated. Cys-85 appears to be the main site, and palmitoylation is required for membrane association.

### Cellular localization

Cytoplasm > perinuclear region. Cell membrane. Cell junction > synapse > synaptosome.  
Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region.

## Images



15% SDS-PAGE. The amount of protein loaded is 3ug.

Molecular Weight: 25.4 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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