

Recombinant Human Synaptosomal-Associated Protein, 25kDa

Cat. No. SNAP25-6928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant SNAP25 protein was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23 kDa.

Species

Human

Source

E.coli

ProteinLength

1-206aa

Description

SNAP25 is an essential component of the core complex that mediates 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.

Form

Liquid in 25mM Tris pH 7.5, 1mM DTT, 2mM EDTA, 10% glycerol

Molecular Mass

23 kDa (206 aa), confirmed by MALDI-TOF.

AA Sequence

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SNAP25 synaptosomal-associated protein, 25kDa [Homo sapiens]
Official Symbol	SNAP25
Synonyms	SNAP25; synaptosomal-associated protein, 25kDa; SNAP, synaptosomal associated protein, 25kD; synaptosomal-associated protein 25; bA416N4.2; dJ1068F16.2; resistance to inhibitors of cholinesterase 4 homolog; RIC 4; RIC4; SEC9; SNAP 25; SUP; super protein; SNAP; RIC-4; SNAP-25; FLJ23079;
Gene ID	6616
mRNA Refseq	NM_003081
Protein Refseq	NP_003072
MIM	600322
UniProt ID	P60880
Chromosome Location	20p12-p11.2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway

Acetylcholine Neurotransmitter Release Cycle, organism-specific biosystem; BoNT Light Chain Types A, C1, E cleave SNAP-25, organism-specific biosystem; Botulinum neurotoxicity, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Dopamine Neurotransmitter Release Cycle, organism-specific biosystem; Effects of Botulinum toxin, organism-specific biosystem;

Function

SNARE binding; myosin binding; protein N-terminus binding; protein binding; protein domain specific binding; syntaxin-1 binding; voltage-gated potassium channel activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA