

Synaptosomal-associated protein Recombinant Protein | SNAP-25 recombinant protein

Recombinant Synaptosomal-associated protein 25kDa, C.elegans

CATALOG #
AAA38472

HOST
E Coli

PRODUCT SYNONYMS

Synaptosomal-associated protein; Recombinant Synaptosomal-associated protein 25kDa; C.elegans; SNAP25 C.elegans; Synaptosomal-associated protein 25kDa C.elegans Recombinant; Super-Protein; SUP; RIC4; SEC9; SNAP; RIC-4; SNAP25; SNAP-25; Synaptosomal-associated protein 25; Synaptosomal-associated 25 kDa protein; FLJ23079; bA416N4.2; dJ1068F16.2; SNAP-25 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein solution (1mg/ml) contains 20mM Tris-HCl pH7.5, 50mM NaCl, 5mM DTT, 1mM EDTA and 10% Glycerol. Sterile filtered colorless solution.
Concentration	1mg/ml (varies by lot)
Sequence	MSGDDDIPEG LEAINLKMNA TTDDSLESTR RMLALCEESK EAGIKTLVML DDQGEQLERC EGALDTINQD MKEAEDHLKG MEKCCGLCVL PWNKTDDFEK TEFKAWKKD DDGGVISDQP RITVGDSSMG PQGGYITKIT NDAREDEMDE NVQQVSTMVG NLRNMAIDMS TEVSNQNRQL DRIHDKAQSN EVRVESANKR AKNLITK
Sequence Length	206
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for SNAP-25 recombinant protein	Description: Recombinant C.elegans SNAP-25 produced in E Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids and having a molecular mass of 23kDa. SNAP-25 gene was amplified by PCR from C.elegans and cloned into an E Coli expression vector. SNAP-25 was purified by using conventional chromatography techniques. Introduction: Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, SNAP25 product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. 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.
Product Categories/Family for SNAP-25 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Synaptosomal Associated Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	396080314
NCBI GeneID	25012

NCBI Accession #	NP_001257504.1
NCBI GenBank Nucleotide #	NM_001270575.1
Molecular Weight	23,336 Da
NCBI Official Full Name	synaptosomal-associated protein 25 isoform a
NCBI Official Synonym Full Names	synaptosomal-associated protein 25
NCBI Official Symbol	Snap25
NCBI Official Synonym Symbols	SNAP-25B; SNAP-25a
NCBI Protein Information	synaptosomal-associated protein 25; SNAP-25; SUP; super protein; synaptosomal-associated 25 kDa protein; synaptosomal-associated protein, 25 kDa
UniProt Protein Name	Synaptosomal-associated protein 25
UniProt Gene Name	Snap25
UniProt Synonym Gene Names	Snap; SNAP-25; SUP
UniProt Entry Name	SNP25_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/snap25-recombinant-protein-e-coli/38472>