

## SNAP25

### Recombinant Synaptosomal-associated protein 25 kDa

#### C. elegans

<b>Catalog No.</b>	CSI13013 CSI13014 CSI13015	<b>Quantity:</b>	10 µg 50 µg 1.0 mg
<b>Alternate Names:</b>	Super-Protein, SUP, RIC4, SEC9, SNAP, RIC-4, SNAP25, SNAP-25, Synaptosomal-associated protein 25, Synaptosomal-associated 25 kDa protein		
<b>Description:</b>	<p>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.</p> <p>Recombinant C.elegans SNAP-25 produced in <i>E.Coli</i> is a single, non-glycosylated polypeptide chain containing 207 amino acids and having a molecular mass of 23 kDa. SNAP-25 gene was amplified by PCR from C.elegans and cloned into an <i>E. coli</i> expression vector.</p>		
<b>Physical Appearance:</b>	Sterile filtered colorless solution.		
<b>Gene ID:</b>	6616		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	23 kDa		
<b>Formulation:</b>	The protein contains 20 mM Tris-HCl, pH7.5 + 50 mM NaCl + 5 mM DTT + 1 mM EDTA and 10% Glycerol.		
<b>Purity:</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.		
<b>Purified:</b>	SNAP-25 was purified by using conventional chromatography techniques.		
<b>Amino Acid Sequence:</b>	MSGDDDIPEG LEAINLKMNA TTDDSLESTR RMLALCEESK EAGIKTLVML DDQGEQLERCEGALDTINQD MKEAEDHLKG MEKCCGLCVL PWNKTDDFEK TEFKAWKKD DDGGVISDQPRITVGDSSMG PQGGYITKIT NDAREDEMDE NVQQVSTMVG NLRNMAIDMS TEVSNQNRQL DRIHDKAQSN EVRVESANKR AKNLITK.		



**Storage & Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°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.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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