

Recombinant Resistance to Inhibitors of Cholinesterase, C.elegans

Cat. No. Ric-4-259C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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 (207 aa, 23 kDa).
Source	E.coli
Description	SNAP-25 is a presynaptic plasma membrane protein essential for synaptic vesicle fusion and neurotransmitter release. The membrane proteins SNAP-25, synaptobrevin and syntaxin make up the core complex (SNARE) essential for docking and holding synaptic vesicles at the pre synaptic membrane.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 5 mM DTT, 50 mM NaCl, 1 mM EDTA, 10% glycerol.
Molecular Weight	23 kDa (207 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Amino acid Sequence	MSGDDDIPEG LEAINLKMNA TTDDSLESTR RMLALCEESK EAGIKTLVML DDQGEQLERC EGALDTINQD MKEAEDHLKG MEKCCGLCVL PWNKTDDFEK TEFAKAWKGD DDGGVISDQP RITVGDSSMG PQGGYITKIT NDAREDEMDE NVQQVSTMVG NLRNMAIDMS TEVSNQNRQL DRIHDKAQSN EVRVESANKR

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AKNLITK

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.

GENE INFORMATION

Gene Name

[ric-4 Resistance to Inhibitors of Cholinesterase \[*Caenorhabditis elegans* \]](#)

Synonyms

SNAP25; FLJ23079; RIC-4; RIC4; SEC9; SNAP; SNAP-25; SUP; Super-Protein, bA416N4.2; dJ1068F16.2; OTTHUMP00000030267; OTTHUMP00000030268; Super protein; Synaptosomal-associated 25 kDa protein; resistance to inhibitors of cholinesterase 4 homolog; synaptosomal-associated protein 25; synaptosomal associated protein, 25kDa; Synaptosomal-associated protein, 25kDa; SNAP-25 (synaptosome-associated protein of 25,000 daltons).

Gene ID

[179427](#)

mRNA Refseq

[NM_001129561](#)

Protein Refseq

[NP_001123033](#)

UniProt ID

[O62414](#)

**Chromosome
Location**

V

Pathway

SNARE interactions in vesicular transport.

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PDBrendering based
on 1jth. Available
structures: 1jth, 1kil, 1n7s



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