

SNAP-25 (Synaptosomal-associated protein 25kDa), C.elegans Recombinant, E.coli

Cat.NO.: TP03975

3th Edition

Synonyms:SNAP25, SNAP-25, Synaptosomal-associated protein 25kDa, FLJ23079, RIC-4, RIC4, SEC9, SNAP 25, bA416N4.2, dJ1068F16.2, SUP, resistance to inhibitors of cholinesterase 4 homolog, super protein, synaptosomal-associated 25 kDa protein

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. 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.

Form:Liquid. In 20mM Tris-HCl pH7.5, 50mM NaCl, 5mM DTT, 1mM EDTA, 10%Glycerol

Molecular Weight:23 kDa (207 aa), confirmed by MALDI-TOF.

Sequences:

MSGDDDIPEGLEAINLKMNATTTDDSLSTRMLALCEESKEAGIKTLVMLDDQGEQLERCEGALDTINQDMKEAED
HLKGMEKCCGLCVLPWNKTDDFEKTEFAKAWKKDDDDGGVISDQPRITVGDSSMGPQGGYITKITNDAREDEMENDEN
VQQVSTMVGNLRNMAIDMSTEVSQNQRQLDRIHDKAQSNEVRVESANKRAKNLITK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.