

Recombinant Human SNAP25 Protein, His-tagged

Cat. No. SNAP25-297H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SNAP25 protein, fused with His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-197 aa
Description	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, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene.
Form	50mM HEPES buffer (pH 7.4) containing 5mM DTT, 100mM NaCl.
Molecular Mass	24.6 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMAEDADMRNELEEMQRRADQLADESLESTRMLQ LVEESKDAGIRTLVMLDEQGEQLERIEEGMDQINKDMKEAEKNLTDLGKFCGLCVCP

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CNKLKSSDAYKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRRVVTNDARENEM
DENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKTRIDEANQ

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 1.14 mg/ml

GENE INFORMATION

Gene Name SNAP25 synaptosome associated protein 25 [Homo sapiens (human)]

Official Symbol SNAP25

Synonyms SUP; RIC4; SEC9; SNAP; CMS18; RIC-4; SNAP-25; bA416N4.2; dJ1068F16.2

Gene ID 6616

mRNA Refseq NM_130811.4

Protein Refseq NP_570824.1

MIM 600322

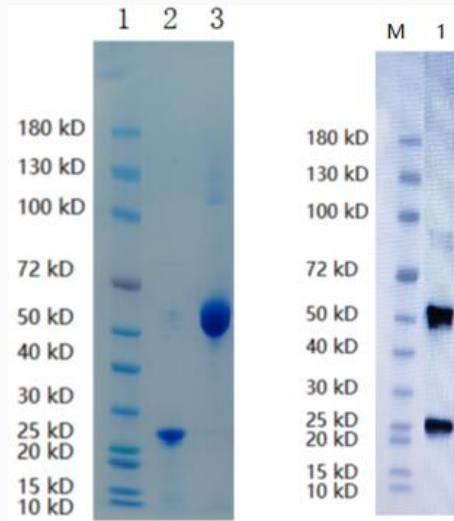
UniProt ID P60880

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SDS-PAGE



Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified SNAP25.

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