

Recombinant Full Length Human SNAP25 Protein, His tagged

Cat. No. SNAP25-296H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human SNAP25 (1-206 aa), fused to His tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-206 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	Liquid in 50mM HEPES buffer (pH 7.4) containing 5mM DTT, 100mM NaCl
Molecular Mass	25.4 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AASequence	< MGSSHHHHHSSGLVPRGSH> MAEDADMRNELEEMQRRADQLADESLESTRR MLQLVEESKDAGIRTLVMLDEQGEQLERIEEGMDQINKDMKEAEKNLTDLGKFCGL CVCPCNKLKSSDAYKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRRVTDAR ENEMDENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKTRIDEANQRA TKMLGSG
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)

GENE INFORMATION

Gene Name	SNAP25 synaptosome associated protein 25 [Homo sapiens (human)]
Official Symbol	SNAP25
Synonyms	SNAP25; synaptosome associated protein 25; SUP; RIC4; SEC9; SNAP; CMS18; RIC-4; DEE117; SNAP-25; bA416N4.2; dJ1068F16.2; synaptosomal-associated protein 25; resistance to inhibitors of cholinesterase 4 homolog; synaptosomal-associated protein, 25kDa; synaptosome associated protein 25kDa
Gene ID	6616

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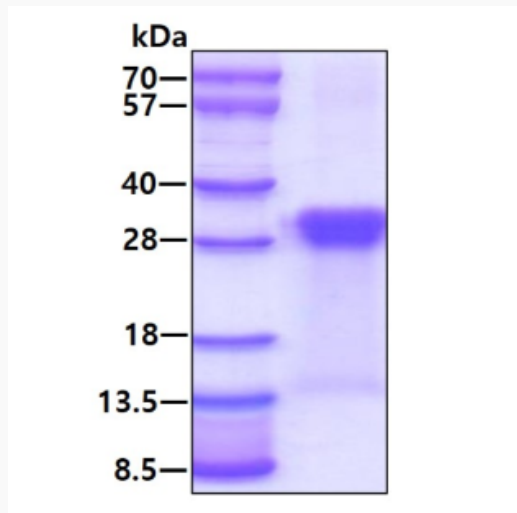
mRNA Refseq [NM_130811](#)

Protein Refseq [NP_570824](#)

MIM [600322](#)

UniProt ID [P60880](#)

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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