

32-4873: Recombinant Human Synaptosomal-associated protein 25kDa

Alternative Name : Super-Protein,SUP,RIC4,SEC9,SNAP,RIC-4,SNAP25,SNAP-25,Synaptosomal-associated protein 25,Synaptosomal-associated 25 kDa protein,FLJ23079,bA416N4.2,dj1068F16.2.

Description

Source : Escherichia Coli. SNAP25 Human Recombinant fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 226 amino acids and having a molecular mass of 25.4 kDa. 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.

Product Info

Amount : 50 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : The protein solution contains 20mM Tris-HCl pH7.5, 1mM EDTA, 50mM NaCl and 2mM DTT.
Storage condition : 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.
Amino Acid : MGSSHHHHH SSGLVPRGSH MAEDADMRNE LEEMQRRADQ LADESLESTR RMLQLVEESK
 DAGIRTLVML DEQGEQLERI EEGMDQINKD MKEAEKNLTD LGKFCGLCVC PCNKLKSSDA
 YKKAWGNNQD GVVASQPARV VDEREQMAIS GGFIRRV TND ARENEMDENL EQVSGIIGNL
 RHMALDMGNE IDTQNRQIDR IMEKADSNKT RIDEANQRAT KMLGSG.

