
Product Data Sheet

Product Name: SNAPIN Human
 Cat. No.: GP24627
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SNAPAP; SNARE-associated protein Snapin; Synaptosomal-associated protein 25-binding protein; SNAP-associated protein; SNAPIN; SNAP25BP.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAGAGSAAVS GAGTPVAGPT GRDLFAEGLL EFLRPAVQQL DSHVHAVRES QVELREQIDN LATELCRINEDQKVALDLDP YVKLLNARR RVVLVNNILQ NAQERLRRLN HSVAKETARR RAMLDGIYP PGSPGK.		
Formulation	The protein solution contains 20mM Tris-HCl pH-8, 5mM DTT, 2mM EDTA, 0.2M NaCl, and 40% glycerol.		

Introduction

SNAPIN is involved in the neurotransmitter release process through its modulation of the sequential interactions between the SNAREs and synaptotagmin. SNAPIN is part of the SNARE complex of proteins that is needed for synaptic vesicle docking and fusion. SNAPAP is enriched in neurons and exclusively located on synaptic vesicle membrane protein. SNAPIN is also an important factor of the BLOC1 multisubunit protein complex. BLOC1 is required for normal biogenesis of specialized organelles of the endosomal-lysosomal system, such as melanosomes and platelet dense granules.

Stability

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.

Background

SNAPIN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 156 amino acids (1-136) and having a molecular mass of 17 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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SNAPIN is fused to 20 amino acid His Tag at N-terminus and purified by standard chromatography techniques.

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