
Product Data Sheet

Product Name: SNAP23 Human
 Cat. No.: GP24622
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SNAP23A; SNAP23B; HsT17016; Synaptosomal-associated protein 23; Vesicle-membrane fusion protein SNAP-23; SNAP23.		
Amino Acid Sequence	MDNLSSEELIQ QRAHQITDES LESTRILGL AIESQDAGIK TITMLDEQKE QLNRIEEGLD QINKDMRETE KLTTELKCC GLCVPCNRT KNFESGKAYK TTWGDGGENS PCNVVSKQPG PVTNGQLQQP TTGAASGGYI KRITNDARED EMEENLTQVG SILGNLKDMA LNIGNEIDAQ NPQIKRITDK ADTNRDRIDI ANARAKKLID S.		
Formulation	The protein solution contains 20mM Tris-HCl pH-8.		

Introduction

SNAP23 is a non-neuronal SNAP25 protein homologue and a target SNARE ubiquitously expressed on the plasma membrane and other intracellular membranes. SNAP23 is involved in exocytotic membrane fusion in most cells that do not express SNAP-25. SNAP23 is an essential component of the high affinity receptor for the general membrane fusion machinery and an crucial regulator of transport vesicle docking and fusion. SNAP23 is phosphorylated in platelets through cell activation during a protein kinase C-related mechanism at two or more sites. SNAP23, the ubiquitously expressed homologue of SNAP25, interacts directly with ubiquitous kinesin heavy chain (uKHC). SNAP-23 is expressed in human eosinophils and is a candidates for association with VAMP-2 during docking, which is followed by exocytosis.

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.

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

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Background

SNAP23 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids and having a molecular mass of 23.3 kDa.

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