



Product Datasheet

Product Name	Synaptosomal-associated protein 23 Human Recombinant
Cata No	CB501515
Source	<i>Escherichia Coli.</i>
Synonyms	SNAP23A, SNAP23B, HsT17016, Synaptosomal-associated protein 23, Vesicle-membrane fusion protein SNAP-23, SNAP23.

Description

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.

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.

Physical Appearance

Sterile Filtered colorless solution.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Formulation

The protein solution contains 20mM Tris-HCl pH-8.

Stability

SNAP23 although stable 4°C for 4 weeks, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Sequence

KNFESGKAYK TTWGDGGENS PCNVVSKQPG
PVTNGQLQQP TTGAASGGYI KRITNDARED
EMEENLTQVG SILGNLKDMA LNIGNEIDAQ
NPQIKRITDK ADTNRDRIDI ANARAKKLID
SMDNLSSEEQ QRAHQITDES LESTRILGL
AIESQDAGIK TITMLDEQKE QLNRIEEGLD
QINKDMRETE KTLTELNKCC GLCVCPCNRT.

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