

SNAP23 Protein, Human (His, Strep)

Cat. No.:	HY-P701842
Synonyms:	SNAP23; Synaptosomal-associated protein 23; SNAP-23; Vesicle-membrane fusion protein SNAP-23
Species:	Human
Source:	E. coli
Accession:	O00161 (M1-S211)
Gene ID:	8773
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	SNAP23, a pivotal player in cellular membrane dynamics, takes on the crucial role of an essential component within the high-affinity receptor for the general membrane fusion machinery, orchestrating the intricate dance of transport vesicle docking and fusion. Forming homotetramers via its coiled-coil domain, SNAP23 doesn't just stand alone; it engages in heterotetrameric formations, partnering with STX4 and VAMP3. Moreover, it collaborates within complexes, binding with VAMP8 and STX1A, as well as with VAMP8 and STX4 in the pancreas. This versatile protein interacts concurrently with SNAPIN and SYN4, and forms tight bonds with multiple syntaxins and synaptobrevins/VAMPs. Among its molecular associates, SNAP23 engages with STX1A, STX12, ZDHHC13, and ZDHHC17, highlighting its intricate participation in various cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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