

Product datasheet for **TP301596M**

SNAP23 (NM_003825) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synaptosomal-associated protein, 23kDa (SNAP23), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201596 protein sequence Red =Cloning site Green =Tags(s)

MDNLSSEIIQQR AHQITDESLESTRRILGLAIESQDAGIKTITMLDEQKEQLNRIEEGLDQINKDMRETE
KLTTELNKCCGLCVPCNRTKNFESGKAYKTTWGDGGENSPCNVSKQPGPVTNGQLQPTTGAASGGYI
KRITNDAREDEMEENLTQVGSILGNLKD MALNIGNEIDAQNPQIKRITDKADTNRDRIDIANARAKKLID
S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	23.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003816</u>
Locus ID:	8773



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UniProt ID: [O00161](#), [A8K287](#)

RefSeq Size: 2650

Cytogenetics: 15q15.1-q15.2

RefSeq ORF: 633

Synonyms: HsT17016; SNAP-23; SNAP23A; SNAP23B

Summary: Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated membrane protein termed synaptobrevin/VAMP with a target compartment membrane protein termed syntaxin. These proteins, together with SNAP25 (synaptosome-associated protein of 25 kDa), form a complex which serves as a binding site for the general membrane fusion machinery. Synaptobrevin/VAMP and syntaxin are believed to be involved in vesicular transport in most, if not all cells, while SNAP25 is present almost exclusively in the brain, suggesting that a ubiquitously expressed homolog of SNAP25 exists to facilitate transport vesicle/target membrane fusion in other tissues. The protein encoded by this gene is structurally and functionally similar to SNAP25 and binds tightly to multiple syntaxins and synaptobrevins/VAMPs. It is an essential component of the high affinity receptor for the general membrane fusion machinery and is an important regulator of transport vesicle docking and fusion. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: SNARE interactions in vesicular transport

Product images:



Coomassie blue staining of purified SNAP23 protein (Cat# [TP301596]). The protein was produced from HEK293T cells transfected with SNAP23 cDNA clone (Cat# [RC201596]) using MegaTran 2.0 (Cat# [TT210002]).