

Product datasheet for TP301596L

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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, 1 mg

Species: Human Expression Host: HEK293T

Expression cDNA Clone >RC201596 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MDNLSSEEIQQRAHQITDESLESTRRILGLAIESQDAGIKTITMLDEQKEQLNRIEEGLDQINKDMRETE KTLTELNKCCGLCVCPCNRTKNFESGKAYKTTWGDGGENSPCNVVSKQPGPVTNGQLQQPTTGAASGGYI KRITNDAREDEMEENLTQVGSILGNLKDMALNIGNEIDAQNPQIKRITDKADTNRDRIDIANARAKKLID

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: NP 003816

Locus ID: 8773





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UniProt ID: <u>000161</u>, <u>A8K287</u>

RefSeq Size: 2650

Cytogenetics: 15q15.1-q15.2

RefSeq ORF: 633

Synonyms: HsT17016; SNAP-23; SNAP23A; SNAP23B

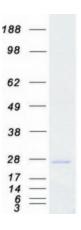
Summary: Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated

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]).