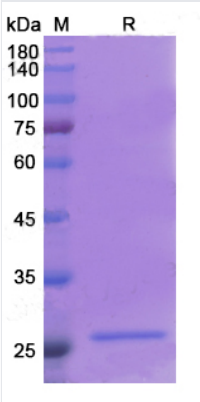
SNAP23 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SNAP23, Recombinant Protein
Full Product Name	Recombinant Human SNAP23, N-His
Product Gene Name	SNAP23 recombinant protein
Product Synonym Names	Synaptosomal-associated protein 23; SNAP-23; Vesicle-membrane fusion protein SNAP-23; SNAP23
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	211
Sequence Positions	Met1-Ser211
OMIM	602534
3D Structure	ModBase 3D Structure for O00161
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for SNAP23 recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SNAP23 recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for SNAP23 recombinant protein	MBS1572432 is a recombinant protein targeting SNAP23. Also known as Recombinant Human SNAP23, N-His. Host: E coli.
Other Notes	Small volumes of SNAP23 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SNAP23 recombinant protein
SDS PAGE for recombinant Human SNAP23 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNAP23. It may not necessarily be applicable to this product.

NCBI GI #	6685971
NCBI GeneID	8773
NCBI Accession #	O00161.1
UniProt Primary Accession #	O00161
UniProt Secondary Accession #	O00162; Q13602; Q6IAE3
UniProt Related Accession #	O00161
NCBI Official Full Name	Synaptosomal-associated protein 23
NCBI Official Synonym Full Names	synaptosomal-associated protein, 23kDa
NCBI Official Symbol	SNAP23
NCBI Official Synonym Symbols	SNAP-23; SNAP23A; SNAP23B; HsT17016
UniProt Protein Name	Synaptosomal-associated protein 23
UniProt Synonym Protein Names	Vesicle-membrane fusion protein SNAP-23
Protein Family	Synaptosomal-associated protein
UniProt Gene Name	SNAP23
UniProt Synonym Gene Names	SNAP-23
UniProt Entry Name	SNP23_HUMAN
NCBI Protein Information	synaptosomal-associated protein 23; synaptosomal-associated protein, 23kD; vesicle-membrane fusion protein SNAP-23
NCBI Summary for SNAP23	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]

UniProt Comments for SNAP23	SNAP23: a member of the SNAP-25 family of SNARE proteins. 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 alternatively spliced isoforms have been described. Protein type: Vesicle Chromosomal Location of Human Ortholog: 15q14 Cellular Component: nucleoplasm; SNARE complex; azurophil granule; specific granule; neuron projection; focal adhesion; mast cell granule; cytoplasm; plasma membrane; synapse Molecular Function: SNAP receptor activity; protein binding; syntaxin binding Biological Process: synaptic vesicle fusion to presynaptic membrane; protein transport; histamine secretion by mast cell; vesicle targeting; post-Golgi vesicle-mediated transport; synaptic vesicle priming
Research Articles on SNAP23	**1.** The association of Src, EGFR and beta1 integrin is dependent upon membrane traffic that is mediated by syntaxin13 (officially known as STX12) and SNAP23.
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