

Product datasheet for **AR09084PU-L**

SNAP23 (1-211) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SNAP23 (1-211) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MDNLSSEIQ QRAHQITDES LESTRRILGL AIESQDAGIK TITMLDEQKE QLNRIEEGLD QINKDMRETE KLTLELNKCC GLCVCPCNRT KNFESGKAYK TTWGDGGENS PCNVVSKQPG PVTNGQLQQP TTGAASGGYI KRITNDARED EMEENLTQVG SILGNLKDMA LNIGNEIDAQ NPQIKRITDK ADTNRDRIDI ANARAKKLID S
Predicted MW:	23.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SNAP23 protein was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_003816
Locus ID:	8773
UniProt ID:	O00161 , A8K287
Cytogenetics:	15q15.1-q15.2
Synonyms:	HsT17016; SNAP-23; SNAP23A; SNAP23B



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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: