

Product datasheet for **AR51211PU-N**

Synaptotagmin-5 (109-386, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Synaptotagmin-5 (109-386, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLGRLQYS LDYDFQSGQL LVGILQAMGL AALDLGGSSD PYVRVYLLPD KRRRYETKVH RQTLNPHFGE TFAFKVPYVE LGGRVLVMAV YDFDRFSRND AIGEVRVPMS SVDLGRP VQA WRELQAAPRE EQEKLGDICF SLRYVPTAGK LTVIVLEAKN LKKMDVGGLS DPYVKVHLLQ GGKKVRKKKT TIKKNTLN PY YNEAFSFEVP CDQVQKVQVE LTVLDYDKLG KNEAIGRVAV GAAAGGAGLR HWADMLANPR RPIAQWHS LR PPDRVRLLP A P
Tag:	His-tag
Predicted MW:	33.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 40% glycerol, 0.2M NaCl, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SYT5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001284703
Locus ID:	6861
UniProt ID:	O00445
Cytogenetics:	11p



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Summary:

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011]

Protein Families:

Secreted Protein, Transmembrane

Product images: