

Product datasheet for **AR39031PU-N**

Synaptotagmin-1 (136-382, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Synaptotagmin-1 (136-382, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MEPKEEEKLG KLQYSLDYDF QNNQLLVGII QAAELPALDM GGTSDPYVKV FLLPDKKKKF ETKVHRKTLN PVFNEQFTFK VPYSELGGKT LVMAVYDFDR FSKHDIIGEF KVPMNTVDFG HVTEEWRDLQ SAEKEEQEKL GDICFSLRYV PTAGKLTVI LEAKNLKMD VGGLSDPYVK IHLMQNGKRL KKKKTTIKKN TLNPYYNESF SFEVPEFIQ KVQVVTVLD YDKIGKNDAI GKVFVGYNLE HHHHHH <i><u>N-terminal Sequence Analysis:</u></i> Met-Glu-Pro-Lys-Glu
Tag:	His-tag
Predicted MW:	29.5 kDa
Concentration:	lot specific
Purity:	>85% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant Human SYT1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001129277
Locus ID:	6857
UniProt ID:	P21579 , A0A024RBE9
Cytogenetics:	12q21.2



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Synonyms: BAGOS; P65; SVP65; SYT

Summary: The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca²⁺ sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).[supplied by OMIM, Jul 2010]

Protein Families: Secreted Protein, Transmembrane

Product images:

