

## Product datasheet for **AR09091PU-L**

### VAMP-2 / Synaptobrevin-2 (1-89, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	VAMP-2 / Synaptobrevin-2 (1-89, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSA TAATAPPAAP AGEGGPPAPP PNLTSNRRLQ QTQAQVDEVV DIMRVNVDKV LERDQKLSL DDRADALQAG ASQFETSAAKLKRKYW
Tag:	His-tag
Predicted MW:	13.8 kDa
Concentration:	lot specific
Purity:	≥95 by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS, pH 7.4, 1 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Synaptobrevin 2, amino acids 1-89, fused to His-tag was expressed in E.coli.
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001317054</a>
Locus ID:	6844
UniProt ID:	<a href="#">F8WCA0</a>
Cytogenetics:	17p13.1
Synonyms:	NEDHAHM; SYB2; VAMP-2



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**Summary:**

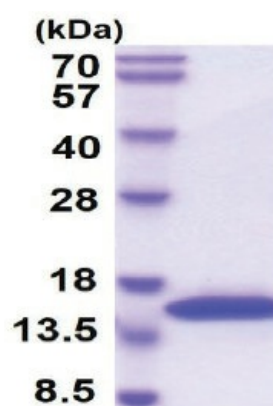
The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

SNARE interactions in vesicular transport

**Product images:**

15% SDS-PAGE (3ug)