

Product datasheet for **AR09772PU-L**

GABARAPL1 (1-117, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GABARAPL1 (1-117, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SGLVPRGSH</u> MKFQYKEDHP FEYRKKEGEK IRKKYPDRVP VIVEKAPKAR VPDLDKRKYL VPSDLTVGQF YFLIRKRIHL RPEDALFFFV NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK
Tag:	His-tag
Predicted MW:	16.2 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GABARAPL1 protein, fused to His-tag, 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:	<u>NP_113600</u>
Locus ID:	23710
UniProt ID:	<u>Q9H0R8</u> , <u>A0A024RAP5</u>
Cytogenetics:	12p13.2
Synonyms:	APG8-LIKE; APG8L; ATG8; ATG8B; ATG8L; GEC1



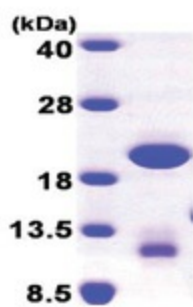
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Summary:

Ubiquitin-like modifier that increases cell-surface expression of kappa-type opioid receptor through facilitating anterograde intracellular trafficking of the receptor. Involved in formation of autophagosomal vacuoles. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.[UniProtKB/Swiss-Prot Function]

Protein Pathways:

Regulation of autophagy

Product images:

15% SDS-PAGE (3ug)