

# Recombinant Human GABARAPL1, His-tagged

**Cat. No.** GABARAPL1-3385H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human GABARAPL1 protein was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. MW = 16.2 kDa(137aa).                                                                                                                    |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                      |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                     |
| <b>Description</b>              | Gamma-aminobutyric acid (GABA) receptor-associated protein-like 1, also known as GABARAPL1, belongs to the MAP1 LC3 family. It increases cell surface expression of kappa type opioid receptor through facilitating anterograde intracellular trafficking of the receptor. |
| <b>Form</b>                     | Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.                                                                                                                                                                                          |
| <b>Purity</b>                   | > 85% by SDS - PAGE.                                                                                                                                                                                                                                                       |
| <b>Concentration</b>            | 1 mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                    |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MKFQYKEDHP FEYRKKEGEK IRKKYPDRV<br>VIVEKAPKAR VPDLDKRKYL VPSDLTVGQF YFLIRKRIHL RPEDALFFFV<br>NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK.                                                                                                               |
| <b>Storage</b>                  | Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.                                                                                                                      |

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**Pathways** Regulation of autophagy

## GENE INFORMATION

**Gene Name** GABARAPL1 GABA(A) receptor-associated protein like 1 [ Homo sapiens ]

**Synonyms** GABA(A) receptor-associated protein like 1; ATG8; GEC1; APG8L; ATG8B; ATG8L; APG8-LIKE; GABARAPL1; gamma-aminobutyric acid receptor-associated protein-like 1; GEC-1; early estrogen-regulated protein; glandular epithelial cell protein 1; GABA(A) receptor-associated protein-like 1; Glandular epithelial cell protein 1; Early estrogen-regulated protein

**Gene ID** 23710

**mRNA Refseq** NM\_031412

**Protein Refseq** NP\_113600

**MIM** 607420

**UniProt ID** Q9H0R8

**Chromosome Location** 12p13.2

**Function** GABA receptor binding; beta-tubulin binding; protein binding

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