

GABARAPL1, 1-117aa, Human, His tag, E.coli

Cat.NO.: TP02172

3th Edition

Synonyms:gamma-aminobutyric acid receptor-associated protein-like 1, APG8-LIKE, APG8L, ATG8, ATG8B, ATG8L, GEC1.

Description: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. Recombinant human GABARAPL1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl.

Molecular Weight:16.2 kDa (137aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMKFQYKEDHPFEYRKKEGEGEKIRKKYPDRVPVIVEKAPKARVPDLDRKYLVPDDL
TVGQFYFLIRKRIHLRPEDALFFFVNNTIPPTSATMGQLYEDNHEEDYFLYVAYSDESVDYK

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: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.