



Recombinant Protein Technical Manual
Recombinant Human GABARAPL1 Protein (His Tag)
RPES4444

Product Data:

Product SKU: RPES4444

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9H0R8

Protein Information:

Molecular Mass: 16.2 kDa

AP Molecular Mass: 20 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Gamma-Aminobutyric Acid Receptor-Associated Protein-Like 1; Early Estrogen-Regulated Protein; GABA(A) Receptor-Associated Protein-Like 1; Glandular Epithelial Cell Protein 1; GEC; GABARAPL1; GEC1

Immunogen Information:

Sequence: Met 1-Lys117

Background:

Gamma-Aminobutyric Acid Receptor-Associated Protein-Like 1 (GABARAPL1) is a cytoplasmic protein that belongs to the MAP1 LC3 family. GABARAPL1 is expressed at very high levels in the brain, heart, peripheral blood leukocytes, liver, kidney, placenta, and skeletal muscle. It can interact with GABRG2, OPRK1 and β -Tubulin. GABARAPL1 increases cell-surface expression of kappa-type opioid receptor through facilitating anterograde intracellular trafficking of the receptor.