

Recombinant Human GABA Protein (His & FcTag)

Catalog No. PKSH032465

Note: Centrifuge before opening to ensure complete recovery of vial contents.

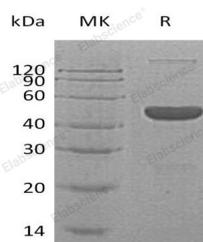
Description

Synonyms	GABA(A) Receptor-Associated Protein;GABARAP Protein;HCG1987397 Isoform CRA_b;GABARAP
Species	Human
Expression Host	E.coli
Sequence	Met1-Leu117
Accession	Q6IAW1
Calculated Molecular Weight	43.2 kDa
Observed molecular weight	50 kDa
Tag	N-His & C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 20% Glycerol, pH 7.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Gamma-Aminobutyric Acid Receptor-Associated Protein (GABARAP) is a ligand-gated chloride channel protein that mediates inhibitory neurotransmission and belongs to the MAP1 LC3 family. GABARAP is highly positively charged in its N-terminus and shares sequence similarity with light chain-3 of microtubule-associated proteins 1A and 1B. GABARAP clusters neurotransmitter receptors by mediating interaction with the cytoskeleton. Autophagy is the process

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by which cells recycle cytoplasm and dispose of excess or defective organelles. This process is suggested to be involved development; differentiation; growth regulation and tissue remodeling in multicellular organisms. An important inhibitory neurotransmitter; GABA; acts on GABA receptors that are ubiquitously expressed in the CNS. GABARAP has been shown to play a important role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton.