

Recombinant Human GABA Protein (His & FcTag)

Catalog Number:PKSH032465



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

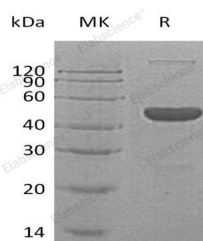
Description

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

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 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.

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