

## Recombinant Human GABA Protein (His &FcTag)

**Catalog Number:** PKSH032465

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

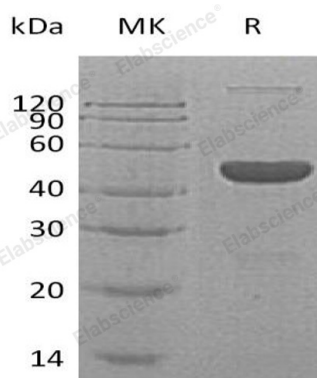
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human GABA protein Met1-Leu117, with an N-terminal His & C-terminal Fc
<b>Calculated MW</b>	43.2 kDa
<b>Observed MW</b>	50 kDa
<b>Accession</b>	Q6IAW1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 20% Glycerol, pH 7.0.

### 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 an important role in intracellular transport of GABA(A) receptors and its interaction with the cytoskeleton.

### For Research Use Only

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