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## Datasheet for ABIN7318511 GABA Protein (GST tag)

### Overview

Quantity:	50 µg
Target:	GABA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GABA protein is labelled with GST tag.

### Product Details

Purpose:	Recombinant Human GABA Protein (GST Tag)
Sequence:	Met 1-Lys117
Characteristics:	Recombinant Human GABA(A) Receptor-Associated Protein is produced by our E.coli expression system and the target gene encoding Met1-Lys117 is expressed with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	GABA
Alternative Name:	GABA ( <a href="#">GABA Products</a> )
Target Type:	Amino Acid

## Target Details

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**Background:** 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.

Synonym: GABA(A) Receptor-Associated Protein, GABARAP Protein, HCG1987397 Isoform CRA\_b, GABARAP

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**Molecular Weight:** 40.2 kDa

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**UniProt:** [Q6IAW1](#)

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Lyophilized

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

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**Buffer:** Lyophilized from a 0.2 µm filtered solution of 50 mM TrisHCl, 200 mM NaCl, pH 7.5.

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**Storage:** 4 °C,-20 °C,-80 °C

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**Storage Comment:** Generally, 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.