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Datasheet for ABIN7318510 GABA Protein (His 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 His tag.

Product Details

Purpose:	Recombinant Human GABA Protein (His & FcTag)
Sequence:	Met 1-Gln116
Characteristics:	Recombinant Human GABA(A) receptor-Associated Protein is produced by our E.coli expression system and the target gene encoding Met1-Gln116 is expressed with a 6His tag at the N-terminus, Fc tag at the C-terminus.
Purity:	> 90 % 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 (GABA Products)
Target Type:	Amino Acid

Target Details

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

Molecular Weight: 43.2 kDa

UniProt: [Q6IAW1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl,20 % glycerol, pH 7.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
