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Datasheet for ABIN1096705

**GABARAPL1 Protein (AA 1-117) (His tag)**

## Overview

Quantity:	50 µg
Target:	GABARAPL1
Protein Characteristics:	AA 1-117
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GABARAPL1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human GABA Receptor-Associated Protein-Like 1/GABARAPL1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MKFQYKEDHP FEYRKKEGEK IRKKYPDRVP VIVEKAPKAR VPDLDKRKYL VPSDLTVGQF YFLIRKRIHL RPEDALFFV NNTIPPTSAT MGQLYEDNHE EDYFLYVAYS DESVYGK
Characteristics:	Recombinant Human gamma-Aminobutyric Acid Receptor-Associated Protein-Like 1/GABARAPL1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Lys117) of Human GABARAPL1 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	GABARAPL1
Alternative Name:	GEC1 ( <a href="#">GABARAPL1 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Gamma-Aminobutyric Acid Receptor-Associated Protein-Like 1 (GABARAPL1) is a cytoplasmic protein that belongs to the MAP1 LC3 family. GABARAPL1 is expressed at very high levels in the brain, heart, peripheral blood leukocytes, liver, kidney, placenta, and skeletal muscle. It can interact with GABRG2, OPRK1 and beta-Tubulin. GABARAPL1 increases cell-surface expression of kappa-type opioid receptor through facilitating anterograde intracellular trafficking of the receptor.</p> <p>Alternative Names: Gamma-Aminobutyric Acid Receptor-Associated Protein-Like 1, Early Estrogen-Regulated Protein, GABA(A) Receptor-Associated Protein-Like 1, Glandular Epithelial Cell Protein 1, GEC-1, GABARAPL1, GEC1</p>
Molecular Weight:	16.2 kDa
UniProt:	<a href="#">Q9H0R8</a>
Pathways:	<a href="#">Autophagy</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
Expiry Date:	3 months