

# Recombinant Human GABARAP Protein, His&MBP-tagged

Cat. No. GABARAP-703H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human GABARAP (NP_009209.1) (Met1-Leu117) was expressed with an N-terminal polyhistidine-tagged MBP tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-117 a.a.
<b>Predicted N Terminal</b>	His
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
<b>Molecular Mass</b>	The recombinant human GABARAP consists of 514 amino acids and predicts a molecular mass of 57.5 KDa. It migrates as an approximately 49-58 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** GABARAP GABA(A) receptor-associated protein [ Homo sapiens ]

**Official Symbol** GABARAP

**Synonyms** GABARAP; GABA(A) receptor-associated protein; gamma-aminobutyric acid receptor-associated protein; ATG8A; MM46; GABARAP-a; FLJ25768; MGC120154; MGC120155;

**Gene ID** 11337

**mRNA Refseq** NM\_007278

**Protein Refseq** NP\_009209

**MIM** 605125

**UniProt ID** O95166

**Chromosome Location** 17p13.1

**Pathway** GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;

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