

Recombinant Human GABARAP Protein, His&MBP-tagged

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

SPECIFICATION

Product Overview	Recombinant human GABARAP (NP_009209.1) (Met1-Leu117) was expressed with an N-terminal polyhistidine-tagged MBP tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-117 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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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