

Recombinant Human GABA(A) receptor-associated protein, His-tagged

Cat. No. GABARAP-4365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GABARAP Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 137 amino acids (1-117 a.a.) and having a molecular mass of 16 kDa. GABARAP is fused to a 20 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques.
Species	Human
Source	Human
ProteinLength	1-117 a.a.
Description	GABARAP is a ligand-gated chloride channel that mediates inhibitory neurotransmission. 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.
Form	GABARAP solution containing 20mM Tris pH-8, 0.2M NaCl and 20% glycerol.
Purity	Greater than 95% as determined by SDS-PAGE.
Physical Appearance	Sterile filtered colorless solution.
Amino Acid	MGSSHHHHHHSSGLVPRGSHMKFVYKEEHPFEKRRSE GEKIRKKYPDRVPVIVEK

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Sequence	APKARIGDLDDKKKYLVPDLTVG QFYFLIRKRIHLRAEDALFFFVNNVIPPTSATMGQ LYQEHHEEDFFLYIAYSDESUYGL.
Storage	GABARAP Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Pathways	Regulation of autophagy
Functions	GABA receptor binding; beta-tubulin binding; microtubule binding; protein binding

GENE INFORMATION

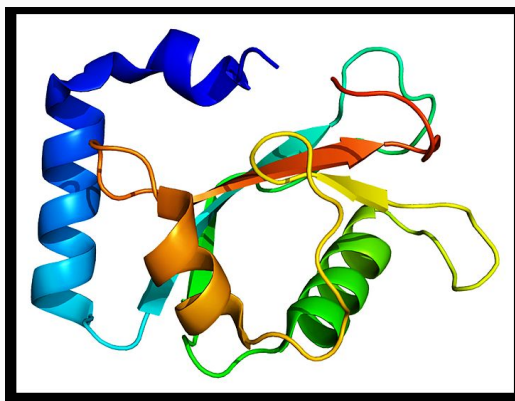
Gene Name	GABARAP GABA(A) receptor-associated protein [Homo sapiens]
Official Symbol	GABARAP
Synonyms	GABARAP; GABA(A) receptor-associated protein; MM46; FLJ25768; MGC120154; MGC120155; Gamma-aminobutyric acid receptor-associated protein; FLC3B
Gene ID	11337
mRNA Refseq	NM_007278
Protein Refseq	NP_009209
MIM	605125
UniProt ID	O95166
Chromosome Location	17

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