

## Recombinant Human GABARAP, His-tagged

Cat. No. GABARAP-26082TH    Lot. No. (See product label)

### SPECIFICATION

|                           |                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human GABARAP fused to a His tag at the N terminus; amino acids 1-117 ; predicted mwt: 16 kDa; |
| <b>Species</b>            | Human                                                                                                                  |
| <b>Source</b>             | E.coli                                                                                                                 |
| <b>ProteinLength</b>      | 1-117 a.a.                                                                                                             |
| <b>Description</b>        | Gamma-aminobutyric acid A receptors                                                                                    |
| <b>Conjugation</b>        | HIS                                                                                                                    |
| <b>Tissue specificity</b> | Heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.                                                   |
| <b>Form</b>               | Liquid                                                                                                                 |
| <b>Purity</b>             | >95% by SDS-PAGE                                                                                                       |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 20% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, pH 8.0                          |
| <b>Storage</b>            | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                |

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|                                 |                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MKFVYKEEHP FEKRRSEGEK<br>IRKKYPDRVPVIVEKAPKAR IGDLDKKKYL VPSDLTVGQF YFLIRKRIHL<br>RAEDALFFFVNNVIPPTSAT MGQLYQEHHE EDFFLYIAYS DESVYGL |
| <b>Sequence Similarities</b>    | Belongs to the MAP1 LC3 family.                                                                                                                            |
| <b>Full Length</b>              | Full L.                                                                                                                                                    |
| <b>GENE INFORMATION</b>         |                                                                                                                                                            |
| <b>Gene Name</b>                | GABARAP GABA(A) receptor-associated protein [ Homo sapiens ]                                                                                               |
| <b>Official Symbol</b>          | GABARAP                                                                                                                                                    |
| <b>Synonyms</b>                 | GABARAP; GABA(A) receptor-associated protein; gamma-aminobutyric acid receptor-associated protein; ATG8A; MM46;                                            |
| <b>Gene ID</b>                  | 11337                                                                                                                                                      |
| <b>mRNA Refseq</b>              | NM_007278                                                                                                                                                  |
| <b>Protein Refseq</b>           | NP_009209                                                                                                                                                  |
| <b>MIM</b>                      | 605125                                                                                                                                                     |
| <b>Uniprot ID</b>               | O95166                                                                                                                                                     |
| <b>Chromosome Location</b>      | 17p13.1                                                                                                                                                    |
| <b>Pathway</b>                  | GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved                                                                               |

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biosystem; Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;

**Function**

GABA receptor binding; beta-tubulin binding; microtubule binding; protein binding;

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