

## Recombinant Human GAB1, His-tagged

**Cat. No.** GAB1-27493TH **Lot. No.** (See product label)

### SPECIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>      | Recombinant full length Human GAB1 with N-terminal His tag expressed in a Baculovirus infected Sf9 cell expression system, MWt 108kDa.                                                                                                                                                                                             |
| <b>Species</b>               | Human                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>           | The protein encoded by this gene is a member of the IRS1-like multisubstrate docking protein family. It is an important mediator of branching tubulogenesis and plays a central role in cellular growth response, transformation and apoptosis. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Conjugation</b>           | HIS                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>                  | Liquid                                                                                                                                                                                                                                                                                                                             |
| <b>Storage buffer</b>        | Preservative: 150mM Imidazole<br>Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 2mM DTT, 0.1mM PMSF, pH 7.0                                                                                                                                                                                             |
| <b>Storage</b>               | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                          |
| <b>Sequence Similarities</b> | Belongs to the GAB family. Contains 1 PH domain.                                                                                                                                                                                                                                                                                   |
| <b>Full Length</b>           | Full L.                                                                                                                                                                                                                                                                                                                            |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | GAB1 GRB2-associated binding protein 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | <a href="#">GAB1</a>                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | GAB1; GRB2-associated binding protein 1; GRB2-associated-binding protein 1;                                                                                                                                                                                                                                                                 |
| <b>Gene ID</b>             | <a href="#">2549</a>                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | <a href="#">NM_002039</a>                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | <a href="#">NP_002030</a>                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | <a href="#">604439</a>                                                                                                                                                                                                                                                                                                                      |
| <b>Uniprot ID</b>          | <a href="#">Q13480</a>                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 4q31.1                                                                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Downstream signaling of activated FGFR, organism-specific biosystem; EGF receptor (ErbB1) signaling pathway, organism-specific biosystem; |
| <b>Function</b>            | SH3/SH2 adaptor activity; protein binding;                                                                                                                                                                                                                                                                                                  |

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