

# Recombinant Mouse Ganab protein, His & T7-tagged

**Cat. No.** Ganab-7919M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Mouse Ganab aa. (Trp615~Arg944 (Accession # Q8BHN3)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Trp615~Arg944                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 41.2kDa                                                                                                                                                                                                                                                                                                              |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 6.1.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.<br>(Referring from China Biological Products Standard, which was calculated by the |

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|                       |                                                                                                                                             |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.               |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                  |
| <b>Storage Buffer</b> | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative. |
| <b>Reconstitution</b> | Reconstitute in sterile ddH <sub>2</sub> O.                                                                                                 |

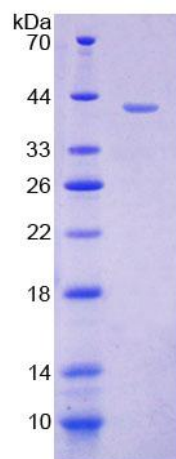
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Ganab alpha glucosidase 2 alpha neutral subunit [ Mus musculus (house mouse) ]                                                                                                                                                                                 |
| <b>Official Symbol</b> | Ganab                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | Ganab; alpha glucosidase 2 alpha neutral subunit; G2an; GluII; AU042638; mKIAA0088; neutral alpha-glucosidase AB; alpha-glucosidase 2; carbohydrate processing enzyme of the endoplasmic reticulum; glucosidase II alpha-subunit; glucosidase II subunit alpha |
| <b>Gene ID</b>         | 14376                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_001293621.1                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001280550.1                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | Q8BHN3                                                                                                                                                                                                                                                         |

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**SDS-PAGE**

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