

## Recombinant Mouse Gba protein, His-SUMO-tagged

**Cat. No.** Gba-2946M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Gba protein(P17439)(20-515aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 20-515aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 71.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | <p>AQPCIPKSFGYSSVVCVCNASYCDSLDPVTLPALGTFSTRYESTRRGRRMELSVGAIQ<br/> ANRTGTGLLLTLQPEKKFQKVKGFGGAMTDATLNILALSPPTQKLLRSYFSTNGIE<br/> YNIIRVPMASCDIFSIRVYTYADTPNDFQLSNFSLPEEDTKLKIPLIHQALKMSSRPISLF<br/> ASPWTSPTWLKTNGRVNGKGS LKGQPGDIFHQ TWANYFVKFLDAYAKYGLRFWAV<br/> TAENEPTAGLFTGYPFQCLGFTPEHQ RDFS RDLGPALANSSHDVKLLMLDDQRLLL<br/> PRWAEVVLSDPEAAKYVHGIAVHWYMDFLAPAKATLGETHRLFPNTMLFASEACVG<br/> SKFWEQSVRLGSDWRGMQYSHSIITNLLYHVTGWTDWNLALNPEGGPNWVRNFV<br/> DSPIIVDIPKDAFYKQPMFYHLGHFSKFIPEG SQRVALVASESTDLETVALLRPDGSA<br/> VVVVLNRSSDVPLTISDPDLGFLETVSPGYSIHTYLWRRQ</p> |

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|                       |                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Gba glucosidase, beta, acid [ <i>Mus musculus</i> ]                                                                                                                                                                      |
| <b>Official Symbol</b> | Gba                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | GBA; glucosidase, beta, acid; glucosylceramidase; glucocerebrosidase; acid beta glucosidase; acid beta-glucosidase; beta-glucocerebrosidase; D-glucosyl-N-acylsphingosine glucohydrolase; GC; GBA1; GLUC; GCase; betaGC; |
| <b>Gene ID</b>         | 14466                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_001077411                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_001070879                                                                                                                                                                                                             |

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