

## Active Recombinant Human GBA protein, His-tagged

Cat. No. GBA-198H Lot. No. (See product label)

### SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Recombinant Human GBA(Met1-Gln536) fused with His tag at C-terminal was expressed in CHO.  |
| <b>Species</b>              | Human  |
| <b>Source</b>               | CHO  |
| <b>ProteinLength</b>        | 1-536 a.a.   |
| <b>Predicted N Terminal</b> | Ala40  |
| <b>Form</b>                 | Supplied as a 0.2 µm filtered solution in Tris, NaCl, Glycerol and DTT.  |
| <b>Bio-activity</b>         | Measured by its ability to hydrolyze 4-methylumbelliferyl-beta -D-glucopyranoside. The specific activity is >180 pmol/min/ug.                                |
| <b>Molecular Mass</b>       | Predicted Molecular Mass: 56 kDa;SDS-PAGE: 58-75 kDa, reducing conditions.   |
| <b>Endotoxin</b>            | <1.0 EU per 1 µg of the protein by the LAL method.   |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles.6 months from date of receipt, -70 centigrade as supplied.3 months, -70 centigrade under sterile conditions after opening. |

### GENE INFORMATION

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|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | GBA glucosidase, beta, acid [ Homo sapiens ]  |
| <b>Official Symbol</b>     | GBA   |
| <b>Synonyms</b>            | GBA; glucosidase, beta, acid; GLUC, glucosidase, beta; acid (includes glucosylceramidase) , glucosylceramidase; glucosylceramidase; GBA1; alglucerase; imiglucerase; acid beta-glucosidase; beta-glucocerebrosidase; lysosomal glucocerebrosidase; D-glucosyl-N-acylsphingosine glucohydrolase; GCB; GLUC;  |
| <b>Gene ID</b>             | 2629  |
| <b>mRNA Refseq</b>         | NM_000157   |
| <b>Protein Refseq</b>      | NP_000148   |
| <b>MIM</b>                 | 606463  |
| <b>UniProt ID</b>          | P04062  |
| <b>Chromosome Location</b> | 1q22  |
| <b>Pathway</b>             | Glycosphingolipid metabolism, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Other glycan degradation, organism-specific biosystem; |
| <b>Function</b>            | cation binding; glucosylceramidase activity; hydrolase activity, acting on glycosyl bonds; receptor binding;  |

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