Active Recombinant Human GBA protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human GBA(Met1-Gln536) fused with His tag at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	1-536 a.a.
Predicted N Terminal	Ala40
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl, Glycerol and DTT.
Bio-activity	Measured by its ability to hydrolyze 4-methylumbelliferyl-beta -D-glucopyranoside. The specific activity is >180 pmol/min/ug.
Molecular Mass	Predicted Molecular Mass: 56 kDa;SDS-PAGE: 58-75 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 μg of the protein by the LAL method.
Storage	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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Gene Name	GBA glucosidase, beta, acid [Homo sapiens]
Official Symbol	GBA
Synonyms	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;
Gene ID	2629
mRNA Refseq	NM_000157
Protein Refseq	NP_000148
MIM	606463
UniProt ID	P04062
Chromosome Location	1q22
Pathway	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;
Function	cation binding; glucosylceramidase activity; hydrolase activity, acting on glycosyl bonds; receptor binding;

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