

# Recombinant Human GBA Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GBA-2488H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	GBA MS Standard C13 and N15-labeled recombinant protein (NP_001005742) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants.
<b>Molecular Mass</b>	59.72 kDa
<b>AA Sequence</b>	MEFSSPSREECPKPLSRVSIAGSLTGLLLLQAVSWASGARPCIPKSFYSSVVCVC NATYCDSFDPPTFPALGTFSTRYESTRSGRRMELSMGPIQANHTGTGLLLTLQPEQK FQKVKGFGGAMTDAAALNILALSPPAQNLLLKSYFSEEGIGYNIIRVPMASCDIFSIRTY TYADTPDDFQLHNFSLPEEDTKLKIPLIHRALQLAQRVSLASPWTSPTWLKTNGAV NGKGS�KGQPGDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGLLSGYPF QCLGFTPEHQRFIARDLGPTLANSTHHNVRLLMLDDQRRLLPHWAKVVLTDP EAA KYVHGIAVHWYLDLFLAPAKATLGETHRLFPNTMLFASEACVGSKFWEQSVRLGSWD

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RGMQYSHSIITNLLYHVVGWTDWNLALNPEGGPNWVRNFVDSPIIVDITKDTFYKQP  
 MFYHLGHFSKFIPEGSQRVGLVASQKNDLDAVALMHPDGSAVVVVLLNRSSKDVPLTI  
 KDPAVGFLETISPGYSIHTYLWRRQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [GBA glucosylceramidase beta \[ Homo sapiens \(human\) \]](#)

**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\\_001005742](#)

**Protein Refseq** [NP\\_001005742](#)

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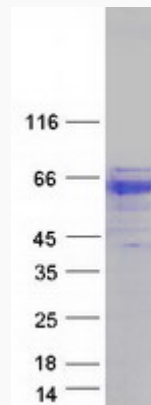
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**MIM** 606463

**UniProt ID** P04062

**SDS-PAGE**



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