

Recombinant Human GBA3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GBA3-2577H Lot. No. (See product label)

SPECIFICATION

Product Overview	GBA3 MS Standard C13 and N15-labeled recombinant protein (NP_066024) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is an enzyme that can hydrolyze several types of glycosides. This gene is a polymorphic pseudogene, with the most common allele being the functional allele that encodes the full-length protein. Some individuals, as represented by the reference genome allele, contain a single nucleotide polymorphism that results in a premature stop codon in the coding region, and therefore this allele is pseudogenic due to the failure to produce a functional full-length protein. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	53.7 kDa
AA Sequence	MAFPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTHQGGERVFKNQTGDVAC GSYTLWEEDLKCIKQLGLTHYRFSLSWSRLLPDGTTGFINQKGIDYYNKIIDDLLKNG VTPIVTLYHFDLPQTLEDQGGWLSEAIIESFDKYAQFCFSTFGDRVKQWITINEANVL SVMSYDLGMFPPGIPHFGTGGYQAAHNLIKAHARSWHSYDSLFRKKQKGMVSLSLF AVWLEPADPNSVSDQEAAKRAITFHLDLFAKPIFIDGDYPEVVKSQIASMSQKQGY SSRLPEFTEEEKMIKGTADFFAVQYYTTRLIKYQENKKGELGILQDAEIEFFPDPSW

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KNVDWIYVVPWGVCKLLKYIKDTYNNPVIYITENGFQSDPAPLDDTQRWEYFRQTF
 QELFKAIQLDKVNLQVYCAWSLLDNFEWNQGYSSRFGLFHVDFEDPARPRVPYTSA
 KEYAKIIRNNGLEAHLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [GBA3 glucosylceramidase beta 3 \(gene/pseudogene\) \[Homo sapiens \(human\) \]](#)

Official Symbol [GBA3](#)

Synonyms GBA3; glucosidase, beta, acid 3 (cytosolic); cytosolic beta-glucosidase; GLUC; klotho related protein; KLRP; klotho-related protein; cytosolic beta-glucosidase-like protein 1; CBGL1; MGC104276; MGC126878;

Gene ID [57733](#)

mRNA Refseq [NM_020973](#)

Protein Refseq [NP_066024](#)

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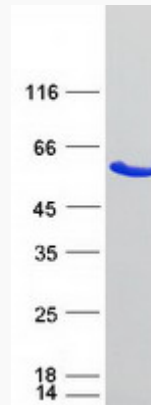
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MIM 606619

UniProt ID Q9H227

SDS-PAGE



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