

Product datasheet for PH311035

GBA3 (NM_020973) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GBA3 MS Standard C13 and N15-labeled recombinant protein (NP_066024)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211035
Predicted MW:	53.7 kDa
Protein Sequence:	>RC211035 protein sequence Red=Cloning site Green=Tags(s)

MAFPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTHQGGERVFKNQTDGVACGSYTLWEEDLKCIKQLG
LTHYRFSLSWSRLLPDGTTGFINQKGIDYYNKIIDDLLKNGVTPIVTLYHFDLPQTLEDQGGWLSEAIIE
SFDKYAQFCFSTFGDRVKQWITINEANVLSVMSYDLGMFPPGIPHFGTGGYQAAHNLIKAHARSWHSYDS
LFRKKQKGMVSLSLFAVWLEPADPNSVSDQEAAKRAITFHLDLFAKPIFIDGDYPEVVKSQIASMSQKQG
YPSSRLPEFTEEEKMKIKGTADFFAVQYYTTRLIKYQENKKGELGILQDAEIEFFPDPSPWKNVDWIYVVP
WGVCKLLKYIKDTYNNPVIYITENGFPQSDPAPLDDTQRWEYFRQTFQELFKAIQLDKVNLQVYCAWSLL
DNFEWNQGYSSRFGLFHVDVFEDPARPRVPYTSKEYAKIIRNNGLEAHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_066024</u>
RefSeq Size:	2189
RefSeq ORF:	1407
Synonyms:	CBG; CBGL1; GLUC; KLRP



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Locus ID: 57733

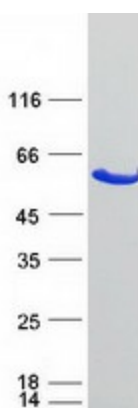
UniProt ID: [Q9H227](#), [A8K9N1](#)

Cytogenetics: 4p15.2

Summary: 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. [provided by RefSeq, Mar 2013]

Protein Pathways: Cyanoamino acid metabolism, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified GBA3 protein (Cat# [TP311035]). The protein was produced from HEK293T cells transfected with GBA3 cDNA clone (Cat# [RC211035]) using MegaTran 2.0 (Cat# [TT210002]).