

## Product datasheet for TP311035

### GBA3 (NM\_020973) Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human glucosidase, beta, acid 3 (cytosolic) (GBA3), transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC211035 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAFPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTTHQGGERVFKNQTDVACGSYTLWEEDLKCIKQLG  LTHYRFSLSWSRLLPDGTTGFINQKIDYNNKIIDDLLKNGVTPIVTLYHFDLPQTLEDQGGWLSEAIIE  SFDKYAQFCFSTFGDRVKQWITINEANVLSVMSYDLGMFPPGIPHFGTGGYQAAHNLIKAHARSWHSYDS  LFRKKQKGMVLSLFAVWLEPADPNSVSDQEAAKRAITFHLDLFAKPIFIDGDYPEVVKSQIASMSQKQG  YPSRLPEFTEEEKMIKGTADFFAVQYYTTRLIKYQENKKGELGILQDAIEFFPDPSWKNVDWIYVWP  WGVCKLLKYIKDTYNNPVIYITENGFQSDPAPLDDTQRWEYFRQTFQELFKAIQLDKVNLQVYCAWSLL  DNFEWNQGYSSRFGLFHVDFEDPARPRVPYTSKEYAKIIRNNGLEAHL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	53.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_066024](#)

Locus ID: 57733

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

RefSeq Size: 2189

Cytogenetics: 4p15.2

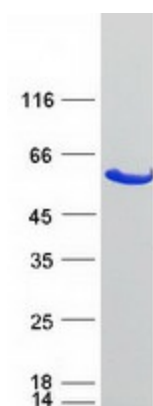
RefSeq ORF: 1407

Synonyms: CBG; CBGL1; GLUC; KLRP

**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]).