

Product datasheet for **TP311035**

GBA3 (NM_020973) Human Recombinant Protein

Product data:

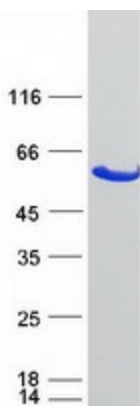
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glucosidase, beta, acid 3 (cytosolic) (GBA3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211035 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAFPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTTHQGGERVFKNQTDGVACGSYTLWEEDLKCIK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



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
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]).