

## Product datasheet for **TP312242M**

### GBA (NM\_001005742) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Homo sapiens glucosidase, beta; acid (includes glucosylceramidase) (GBA), transcript variant 3, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC212242 representing NM\_001005742  
**Red**=Cloning site **Green**=Tags(s)

MEFSSPSREECPKPLSRVSIAGSLTGLLLLQAVSWASGARPCIPKSFYSSWVCNATYCDSFDPPTF  
PALGTFSTRYESTRSGRRMELSMGPIQANHTGTGLLLTLQPEQKFQKVKGFGGAMTDAAALNILALSPPAQ  
NLLLKSYFSEEGIGYNIIRVPMASCDFSIRTYTYADTPDDFQLHNFLPEEDTKLKIPLIHRALQLAQRP  
VSLASPWTSPTWLKTNNAVNGKSLKGQPGDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGLL  
SGYPFQCLGFTPEHQRFIARDLGPTLANSTHHNVRLMLDDQRLLLPHWAKVVLTDPEAAKYVHGIAVH  
WYLDFLAPAKATLGETHRLFPNTMLFASEACVSGKFWEQSVRLGSDRGMQYSHSIITNLLYHVVGWTDW  
NLALNPEGGPNWVRNFVDSPDIVDITKDTFYKQPMFYHLGHFSKFIPEGSQRVGLVASQKNDLDAVALMH  
PDGSAWVWLNRRSSKDVPLTIKDPVAVGFLETISPGYSIHTYLWRRQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

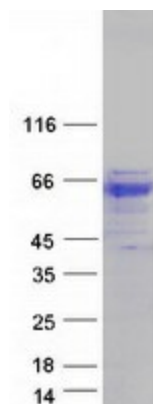
**Tag:** C-Myc/DDK  
**Predicted MW:** 55.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was 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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<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.
<b>RefSeq:</b>	<a href="#">NP_001005742</a>
<b>Locus ID:</b>	2629
<b>UniProt ID:</b>	<a href="#">P04062</a> , <a href="#">B7Z6S9</a> , <a href="#">A0A068F658</a>
<b>RefSeq Size:</b>	2413
<b>Cytogenetics:</b>	1q22
<b>RefSeq ORF:</b>	1608
<b>Synonyms:</b>	GBA1; GCB; GLUC
<b>Summary:</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. [provided by RefSeq, Jan 2010]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysosome, Metabolic pathways, Other glycan degradation, Sphingolipid metabolism

### Product images:



Coomassie blue staining of purified GBA protein (Cat# [TP312242]). The protein was produced from HEK293T cells transfected with GBA cDNA clone (Cat# [RC212242]) using MegaTran 2.0 (Cat# [TT210002]).