

Product datasheet for TP303706M

GBA2 (NM_020944) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glucosidase, beta (bile acid) 2 (GBA2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203706 protein sequence Red=Cloning site Green=Tags(s)
	<p>MGTQDPGNMGTGVPASEQISCAKEDPQVYCPEETGGTKDVQVTDCKSPEDSRPPKETDCCNPEDSGQLMV SYEGKAMGYQVPPFGWRICLAHEFTEKRKPFQANNVLSNMIKHIGMGLRYLQWWYRKTHVEKKTFFIDM INSVPLRQIYGCPGGIGGGTITRGWRGQFCRWQLNPGMYQHRTVIADQFTVCLRREGQTVYQQVLSLER PSVLRSWNWGLCGYFAFYHALYPRAWTVYQLPGQNVTLTCRQITPILPHDYQDSSLPVGVFVWVDVENEGD EALDVSIMFSMRNGLGGGDDAPGGLWNEPFLERSGETVRGLLLHHPTLPNPYTMVAARVTAATTVTTHI TAFDPDSTGQQVWQDLLQDGQLDSPTGQSTPTQKGVGIAGAVCVSSKLRPRGQCRLEFSLAWDMPRIMFG AKGQVHYRRYTRFFGQDGDAAAPALSHYALCRYAEWEERISAWQSPVLDLDRSLPAWYKSALFNELYFLADG GTWVLEVLDSLPEELGRNMCHLRPTLRDYGRFGYLEGQEYRMYNTYDVHFYASFALIMLWPKLELSLQY DMALATLREDLTRRRYLMSGVMAPVKRRNVIPHDIGDPDDEPWLRVNAVLIHDTADWKDLNLKFLVQVYR DYLLTGDQNFLKDMWPVCLAVMESEMKFDDKHDGLIENGGYADQTYDGVWTTGPSAYCGGLWLA AVAVMV QMAALCGAQDIQDKFSSILSRGQEAYERLLWNGRYNYDSSSRPQRSVMSDQCAGQWFLKACGLGEGDT EVFPTQHVVRALQTIFELNVQAFAGGAMGAVNGMQPHGVPDKSSVQSDDEVWVGWVYGLAATMIQEGLTWE GFQTAEGCYRTVWERLGLAFQTPEAYCQQRVFRSLAYMRPLSIWAMQLALQQQHQHKASWPKVKQGTGLR TGPMFGPKEAMANLSPE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	104.5 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.



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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.
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_065995
Locus ID:	57704
UniProt ID:	Q9HCG7
RefSeq Size:	3639
Cytogenetics:	9p13.3
RefSeq ORF:	2781
Synonyms:	AD035; NLGase; SPG46
Summary:	This gene encodes a microsomal beta-glucosidase that catalyzes the hydrolysis of bile acid 3-O-glucosides as endogenous compounds. Studies to determine subcellular localization of this protein in the liver indicated that the enzyme was mainly enriched in the microsomal fraction where it appeared to be confined to the endoplasmic reticulum. This putative transmembrane protein is thought to play a role in carbohydrate transport and metabolism. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified GBA2 protein (Cat# [TP303706]). The protein was produced from HEK293T cells transfected with GBA2 cDNA clone (Cat# [RC203706]) using MegaTran 2.0 (Cat# [TT210002]).