

Product datasheet for PH303706

GBA2 (NM_020944) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GBA2 MS Standard C13 and N15-labeled recombinant protein (NP_065995)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203706
Predicted MW:	104.6 kDa
Protein Sequence:	>RC203706 protein sequence Red=Cloning site Green=Tags(s)

MGTQDPGNMGTGVPASEQISCAKEDPQVYCPEETGGTKDVQVTDCKSPEDSRPPKETDCCNPEDSGQLMV
SYEGKAMGYQVPPFGWRICLAHEFTEKRKPFQANNVSLSNMIKHIGMLRYLQWWYRKTHVEKKTPIIDM
INSVPLRQIYGCPLGGIGGGTITRGWRGQFCRWQLNPGMYQHRTVIADQFTVCLRREGQTVYQQVLSLER
PSVLRSNWGLCGYFAFYHALYPRAWTVYQLPGQNVTLTCRQITPILPHDYQDSSLVPGVFWVDVENEGD
EALDVSIMFSMRNGLGGDDAPGGLWNEPFCLETSGETVRGLLLHPTLPNPYTMVAARVTAATTVTHI
TAFDPDSTGQQVWQDLLQDQGLDSPTGQSTPTQKGVGIAGAVCVSSKLRPRGQCRLEFSLAWDMPRIMFG
AKGQVHYRRYTRFFGQDGAAPALSHYALCRYAEWEERISAWQSPVLDDRSLPAWYKSALFNELYFLADG
GTWVLEVLLEDLSLPEELGRNMCHLRPTLRDYGRFGYLEGQEYRMYNTYDVHFYASFALIMLWPKLELSLQY
DMALATLREDLTRRRYLMGVMAPVKRRNVIPHDIGDPDDEPWLRVNAYLIHDTADWKDLNLKFVLQVYR
DYTLTGDQNFLKDMWPVCLAVMESEMFKFDKDHGLIENGGYADQTYDGWVTTGPSAYCGGLWLA AVAVMV
QMAALCGAQDIQDKFSSILSRGQEAERLLWNGRYNYDSSSRPQRSVMSDQCAGQWFLKACGLGEGDT
EVFPTQHVVRALQTI FELNVQAFAGGAMGAVNGMQPHGVDPKSSVQSDEVWVGVVYGLAATMIQEGLTWE
GFQTAEGCYRTVWERLGLAFQTPEAYCQQRVFRSLAYMRPLSIWAMQLALQQQHKKASWPKVKQGTGLR
TGPMFGPKEAMANLSPE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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.



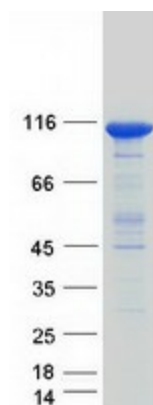
[View online »](#)

RefSeq: [NP_065995](#)
RefSeq Size: 3639
RefSeq ORF: 2781
Synonyms: AD035; NLGase; SPG46
Locus ID: 57704
UniProt ID: [Q9HCG7](#)
Cytogenetics: 9p13.3

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]).