

Recombinant Full Length Human GBA2 Protein, GST-tagged

Cat. No. GBA2-5517HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GBA2 full-length ORF (NP_065995.1, 1 a.a. - 927 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	927 amino acids
Description	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
Molecular Mass	131 kDa
AA Sequence	MGTQDPGNMGTGVPASEQISCAKEDPQVYCPEETGGTKDVQVTDCKSPEDSRPPK ETDCCNPEDSGQLMVSIEGKAMGYQVPPFGWRICLAHEFTEKRKPFQANNVSLSN MIKHIGMGLRYLQWWYRKTHVEKKTPFIDMINSVPLRQIYGCPGLGGIGGGTITRGWR GQFCRWQLNPGMYQHRTVIADQFTVCLRREGQTVYQQVLSLERPSVLRSWNWGL CGYFAFYHALYPRAWTVYQLPGQNVTLTCRQITPILPHDYQDSSLPGVGVFVWDVEN EGDEALDVSIMFSMRNGLGGGDDAPGGLWNEPFCLERSGETVRGLLLHHPTLPNP YTMAVAARVTAATTVTHTAFDPDSTGQQVWQDLLQDGQLDSPTGQSTPTQKGVGI

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AGAVCVSSKLRPRGQCRLEFSLAWDMPRIMFGAKGQVHYRRYTRFFGQDGDAAPA
 LSHYALCRYAEWEERISAWQSPVLDDRSLPAWYKSALFNELYFLADGGTVWLEVLE
 DSLPEELGRNMCHLRPTLRDYGRFGYLEGQEYRMYNTYDVHIFYASFALIMLWPKLE
 LSLQYDMALATLREDLTRRRYLMSGVMAPVKRRNVIPHDIGDPDDEPWLRVNAYLIH
 DTADWKDLNLKFVLQVYRDYYLTGDQNFLKDMWPVCLAVMESEMKFDDHDGLIE
 NGGYADQTYDGVWTTGPSAYCGGLWLAHAVMVQMAALCGAQDIQDKFSSILSRG
 QEAYERLLWNGRYNYDSSSRPQSRSVMSDQCAGQWFLKACGLGEGDTEVFPTQ
 HVVRALQTIFELNVQAFAGGAMGAVNGMQPHGVDPKSSVQSDEVWVGWVYGLAAT
 MIQEGLTWEGFQTAEGCYRTVWERLGLAFQTPEAYCQQRVFRSLAYMRPLSIWAM
 QLALQQQHHKKASWPKVKQGTGLRTGPMFGPKEAMANLSPE

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GBA2 glucosidase, beta (bile acid) 2 [Homo sapiens]

Official Symbol

GBA2

Synonyms

GBA2; glucosidase, beta (bile acid) 2; non-lysosomal glucosylceramidase; AD035;
 bile acid beta glucosidase; DKFZp762K054; KIAA1605; non lysosomal
 glucosylceramidase; NLGase; beta-glucosidase 2; glucosylceramidase 2; beta-

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glucocerebrosidase 2; bile acid beta-glucosidase; MGC16895;

Gene ID 57704

mRNA Refseq NM_020944

Protein Refseq NP_065995

MIM 609471

UniProt ID Q9HCG7

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