

# Recombinant Full Length Human GBA2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human GBA2 full-length ORF ( NP_065995.1, 1 a.a. - 927 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	927 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	131 kDa
<b>AA Sequence</b>	MGTQDPGNMGTGVPASEQISCAKEDPQVYCPEETGGTKDVQVTDCKSPEDSRPPK ETDCCNPEDSGQLMVSIEGKAMGYQVPPFGWRICLAHEFTEKRKPFQANNVLSLN MIKHIGMGLRYLQWWYRKTHVEKKTFFIDMINSVPLRQIYGCPGGGGTITRGWR GQFCRWQLNPGMYQHRTVIADQFTVCLRREGQTVYQQVLSLERPSVLRSWNWGL CGYAFYHALYPRAWTVYQLPGQNVTLTCRQITPILPHDYQDSSLVGVFVWDVEN EGDEALDVSIMFSMRNGLGGGDDAPGGLWNEPFCLERSGETVRGLLLHHPTLPNP YTMVAARVTAATTVTHITAFDPDSTGQQVWQDLLQDGLDSTPTGQSTPTQKGVGI

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AGAVCVSSKLRPRGQCRLEFSLAWDMPRIMFGAKGQVHYRRYTRFFGQDGAAPA  
 LSHYALCRYAEWEERISAWQSPVLDDRSLPAWYKSALFNELYFLADGGTVWLEVLE  
 DSLPEELGRNMCHLRPTLRDYGRFGYLEGQEYRMYNTYDVHFYASFALIMLWPKLE  
 LSLQYDMALATLREDLTRRRYLMSGVMAPVKRRNVIPHDIGDPDDEPWLRVNAYLIH  
 DTADWKDLNLKFVQLQVYRDYYLTGDQNFLKDMWPVCLAVMESEMKFDDHDGLIE  
 NGGYADQTYDGWVTTGPSAYCGGLWLA AVAVMVQMAALCGAQDIQDKFSSILSRG  
 QEAYERLLWNGRYNYDSSSRPQSR SVMSDQCAGQWFLKACGLGEGDTEVFPTQ  
 HVVRLQTIFELNVQAFAGGAMGAVNGMQPHGVDPKSSVQSDEVWVGVVYGLAAT  
 MIQEGLTWEFGQTAEGCYRTVWERLGLAFQTPEAYCQQRVFRSLAYMRPLSIWAM  
 QLALQQQQHKKASWPVKVQGTGLRTGPMFGPKEAMANLSPE

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GBA2 glucosidase, beta (bile acid) 2 [ Homo sapiens ]
<b>Official Symbol</b>	GBA2
<b>Synonyms</b>	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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