

# Recombinant Full Length Human GBA Protein

**Cat. No.** GBA-186HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human GBA with a N terminal proprietary tag: predicted molecular weight 84.70 kDa.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	536 amino acids
<b>Description</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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	84.700kDa inclusive of tags
<b>AA Sequence</b>	MEFSSPSREECPKPLSRVSIAGSLTGLLLLQAVSWASGA RPCIPKSFSGYSSVVCVC NATYCDSFDPPTFPALGTFSTRYE STRSGRRMELSMGPIQANHTGTGLLLTLQPEQK FQKVKGFFGGAMTDAALNILALSPPAQNLLLKSYFSEEGIGYNIIRV PMASCDFSIRT YTYADTPDDFQLHNFSLPEEDTKLKIPLI HRALQLAQRPVSLASPWTSPWLKTNG AVNGKGSLLKGQP GDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGLL SGY

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



PFQCLGFTPEHQQRDFIARDLGPTLANSTHHNVRLLML DDQRLLPHWAKVVLTDP  
 AAKYVHGIAVHWYLDLFLAPAK ATLGETHRLFPNTMLFASEACVGSKFWEQSVRLGS  
 WDRGM QYSHSIITNLLYHVVGWTDWNLALNPEGGPNWVRNFVDSP IIVDITKDTFY  
 KQPMFYHLGHFSKFIPEGSQRVGLVASQK NDLDAVALMHPDGSAVVVVLNRSSKD  
 VPLTIKDPAVGFLE TISPGYSIHTYLWRRQ

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** GBA glucosidase, beta, acid [ Homo sapiens ]

**Official Symbol** GBA

**Synonyms** GBA; glucosidase, beta, acid; GLUC, glucosidase, beta; acid (includes glucosylceramidase) , glucosylceramidase; glucosylceramidase; GBA1

**Gene ID** 2629

**mRNA Refseq** NM\_000157

**Protein Refseq** NP\_000148

**MIM** 606463

**UniProt ID** P04062

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