

Recombinant Full Length Human GBA Protein

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

SPECIFICATION

Product Overview	Recombinant full length Human GBA with a N terminal proprietary tag: predicted molecular weight 84.70 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	536 amino acids
Description	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.
Form	Liquid
Molecular Mass	84.700kDa inclusive of tags
AA Sequence	MEFSSPSREECPKPLSRVSIAGSLTGLLLLQAVSWASGA RPCIPKSFSGYSSVVCVC NATYCDSFDPPTFPALGTFSRYE STRSGRRMELSMGPIQANHTGTGLLLTLQPEQK FQKVKGFF GGAMTDAAALNILALSPPAQNLLLSYFSEEGIGYNIIRV PMASCDFSIRT YTYADTPDDFQLHNFSLPEDTKLKIPLI HRALQLAQRPVSLASPWTSPWLKTNG AVNGKGSLSKGQP GDIYHQTWARYFVKFLDAYAEHKLQFWAVTAENEPSAGLL SGY

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

PFQCLGFTPEHQRDFIARDLGPTLANSTHHNVRLML DDQRLLPHWAKVVLTDPE
AAKYVHGIADVHWYLDLAPAK ATLGETHRLFPNTMLFASEACVGSKFWEQSVRLGS
WDRGM QYSHSIITNLLYHVVGWTDWNLALNPEGGPNNWRNFVDSP IIVDITKDTFY
KQPMFYHLGHFSKFIPEGSQRVGLVASQK NDLDVAALMHPDGSAVVVVLNRSSKD
VPLTIKDPVGFLE 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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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