

## Glucosylceramidase (GBA) Recombinant Protein | GBA recombinant protein

Recombinant Human Glucosylceramidase (GBA)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113592</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

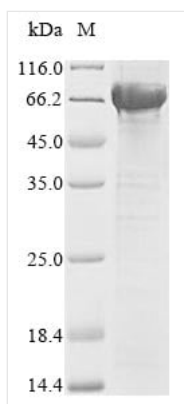
### PRODUCT SYNONYMS

Glucosylceramidase (GBA); Recombinant Human Glucosylceramidase (GBA); GBA recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Positions      | 40-536aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence                | ARPCIPKSFG YSSVVCVCNA TYCDSFDPPT FPALGTFSTRY ESTRSGRRME LSMGPIQANH TGTGLLLTLQ PEQKFQKVKG FGGAMTDAAL LNIALSPPA QNLLKSYFS EEGIGYNIIR VPMASCDFSI RTITYADTPD DFQLHNFSLP EEDTKLKIPL IHRALQLAQR PVSLLASPTW SPTWLKTNGA VNGKGSCLKGQ PGDIYHQTWA RYFVKFLDAY AEHKLQFWAV TAENEPSAGL LSGYPFQCLG FTPEHQDFI ARDLGPTLAN STHHNVRLLM LDDQRLLLPH WAKVVLTDPE AAKYVHGIAV HWYLDLAPA KATLGETHRL FPNTMLFASE ACVGSKFWEQ SVRLGSWDRG MQYSHSIITN LLYHVVGWTD WNLALNPEGG PNWVRNFVDS PIIVDITKDT FYKQPMFYHL GHFSKFIPEG SQRVGLVASQ KNDLDAVALM HPDGSAAVVVV LNRSSKDVPL TIKDPAVGFL ETISPGYSIH TYLWRRQ                                                                                                                                                                                                                        |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for GBA recombinant protein | 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 encoding the same protein. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 54607043                                                                       |
| NCBI GeneID                      | 2629                                                                           |
| NCBI Accession #                 | NP_000148.2                                                                    |
| NCBI GenBank Nucleotide #        | NM_000157.3                                                                    |
| UniProt Accession #              | P04062; Q16545; Q4VX22; Q6I9R6; Q9UMJ8; A8K796; B7Z5G2; B7Z6S1; J3KQG4; J3KQK9 |
| Molecular Weight                 | 75.6 kDa                                                                       |
| NCBI Official Full Name          | glucosylceramidase isoform 1                                                   |
| NCBI Official Synonym Full Names | glucosylceramidase beta                                                        |
| NCBI Official Symbol             | GBA                                                                            |
| NCBI Official Synonym Symbols    | GCB; GBA1; GLUC                                                                |
| NCBI Protein Information         | glucosylceramidase                                                             |
| UniProt Protein Name             | Glucosylceramidase                                                             |
| UniProt Gene Name                | GBA                                                                            |
| UniProt Synonym Gene Names       | GC; GLUC; Beta-GC                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gba-recombinant-protein-e-coli/113592>