

## Beta-Glucocerebrosidase Human Recombinant

<b>Item Number</b>	rAP-1124
<b>Synonyms</b>	Glucosidase, Beta, Acid, D-Glucosyl-N-Acylsphingosine Glucohydrolase, Beta-Glucocerebrosidase, Acid Beta-Glucosidase, Glucosylceramidase, Aglucerase, EC 3.2.1.45, Beta-GC, GLUC, Glucosidase, Beta; Acid (Includes Glucosylceramidase), Glucosylceramidase-Li
<b>Description</b>	GBA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 503 amino acids (40-536a.a.) and having a molecular mass of 56.4kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).
<b>Uniprot Accesion Number</b>	P04062
<b>Amino Acid Sequence</b>	ARPCIPKSFG YSSVVCVCNA TYCDSFDPPPT FPALGTFSRY ESTRSGRRME LSMGPIQANH TGTGLLLTLQ PEQKFQKVKG FGGAMTDAAA LNLLALSPPA QNLLLKSYSF EEGIGYNII VPMASCDFSI RTYTYADTPD DFQLHNFSLP EEDTKLKIPL IHRALQLAQR PVSLLASPWT  SPTWLKTNGA VNGKGSLKGQ PGDIYHQTWA RYFVKFLDAY AEHKLQFWAV TAENEPSAGL LSGYPFQCLG FTPEHQRDFI ARDLGPTLAN STHHNVRLLM LDDQRLLLPH WAKVVLT- DPE AAKYVHGlAV HWYLDLFLAPA KATLGETHRL FPNTMLFASE ACVGSKFWEQ SVRLGSWDRG
<b>Source</b>	Sf9, Baculovirus cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	GBA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**