

Beta-Glucocerebrosidase Human Recombinant

Item Number	rAP-1124
Synonyms	Glucosidase, Beta, Acid, D-Glucosyl-N-Acylsphingosine Glucohydrolase, Beta-Glucocerebrosidase, Acid Beta-Glucosidase, Glucosylceramidase, Alglucerase, EC 3.2.1.45, Beta-GC, GLUC, Glucosidase, Beta; Acid (Includes Glucosylceramidase), Glucosylceramidase-Li
Description	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).
Uniprot Accession Number	P04062
Amino Acid Sequence	<p>ARPCIPKSFG YSSVVCVCNA TYCDSFDPPT FPALGTFSRY ESTRSGRRME LSMGPIQANH TGTGLLLTLQ PEQKFQKVKG FGGAMTDAAA LNILALSPPA QNLLLKSYSF EEGIGYNIIR VPMASCDFSI RTYTYADTPD DFQLHNFSLP EEDTKLKIPL IHRALQLAQR PVSLLASPWT</p> <p>SPTWLKTNGA VNGKGSCLKGQ PGDIYHQTWA RYFVKFLDAY AEHKLQFWAV TAENEPSAGL LSGYPFQCLG FTPEHQQRDFI ARDLGPTLAN STHHNVRLLM LDDQRLLLLPH WAKVVLT- DPE AAKYVHGIAV HWYLDLFLAPA KATLGETHRL FPNTMLFASE ACVGSKFWEQ SVRLGSWDRG</p>
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	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.
Formulation and Purity	GBA protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**