

Glucosidase Beta Acid 3 Human Recombinant

Item Number	rAP-1123
Synonyms	Cytosolic beta-glucosidase, Cytosolic beta-glucosidase-like protein 1, GBA3, CBG, CBGL1, Glucosidase Beta Acid 3, GH1, Glycoside Hydrolase Family 1, GLUC, KLRP.
Description	GBA3 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 492 amino acids (1-469 a.a.) and having a molecular mass of 56.1kDa. GBA3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9H227
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPPAGF GWAAATAAYQ VEGGWDADGK GPCVWDTFTH QGGERVFKNQ TGDVACGSYT LWEEDLKCIC QLGLTHYRFS LWSRLLPDG TTGFNQKGI DYYNKI- IDDL LKNGVTPIVT LYHFDLPQL EDQGGWLSEA IIESFDKYAQ FCFSTFGDRV KQWITINEAN VLSVM- SYDLG MFPPGIPHFG TGGYQAAHNL IKAHARSWHS YDSLFRKKQK GMVSLSLFAV WLEPADPNSV SDQEAAKRAI TFHDLFAKP IFIDGDYPEV VKSQIASMSQ KQGYPSSRLP EFTEEEKKMI KGTAFFAVQ YYTTRLIKYQ ENKKGELGIL QDAEIEFFPD PSWKNVDWIY VVPWGVCKLL KYIKDTYNNP VIYITENGFP QSDPAPLDDT QRWEYFRQTF QELFKAIQLD KVNQLQVYCAW SLLDNFEWNQ GYSSRFGLFH VDFED- PARPR VPYTSKEYA KIIRNNGLEA HL.
Source	E.coli.
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	GBA3 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4), 20% glycerol and 1mM DTT. Greater than 85% 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**