

**GBA3, 1-469aa, Human, His tag, E.coli**

**Cat.NO.: TP02205**

3th Edition

**Synonyms:**Cytosolic beta-glucosidase, CBG, CBGL1, GLUC, KLRP

**Description:**GBA3 is an enzyme that can hydrolyze several types of glycosides. Some individuals, as represented by the reference genome allele, contain a single nucleotide polymorphism that results in a premature stop codon in the coding region, and therefore this allele is pseudogenic due to the failure to produce a functional full-length protein. Recombinant human GBA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 1X Phosphate Buffered Saline (pH7.4) containing 20% glycerol, 1mM DTT

**Molecular Weight:**56.1 kDa (492aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMFAFPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTHQGGERVFKNQ  
GDVACGSYTLWEEDLKCIKQLGLTHYRFSLSWSRLLPDGTTGFINQKIDYNNKIIDDLLKNGVTPIVTLYHFDLPQTL  
EDQGGWLSEAIIESFDKYAQFCFSTFGDRVKQWITINEANVLSVMSYDLGMFPPGIPHFGTGGYQAAHNLIKAHARS  
WHSYDSLFRKKQKGMVSLSLFAVWLEPADPNSVSDQEAAKRAITFHLDLFAKPIFIDGDYPEVVKSQIASMSQKQG  
YPSSRLPEFTEEEKMIKGTADFFAVQYYTTRLIKYQENKKGELGILQDAEIEFFPDPSWKNVDWIYVVPWGVCKLL  
KYIKDTYNNPVIYITENGFPQSDPAPLDDTQRWEYFRQTFQELFKAIQLDKVNLQVYCAWSLLDNFEWNQGYSSRF  
GLFHVDFEDPARPRVPYTSKEYAKIIRNNGLEAHL

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.