

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:

MGSSHHHHHSSGLVPRGSHMGSMAPAGFGWAAATAAYQVEGGWDADGKGPCVWDTFTTHQGGERVFKNQ
TGDVACGSYTLWEEDLKCIKQLGLTHYRFSLSWSRLLPDGTTGFINQKGIDYYNKIIDDLLKNGVTPIVTLYHFDLPQTL
EDQGGWLSEAIIESFDKYAQFCFSTFGDRVQWITINEANVLSVMSYDLGMFPPGIPHFGTGGYQAAHNLIKAHARS
WHSYDSLFRKKQKGMVSLSLFAVWLEPADPNSVSDQEAAKRAITFHLDLFAKPIFIDGDYPEVVKSQIASMSQKQG
YPSSRLPEFTEEEKMKIKGTADFFAVQYYTTRLIKYQENKKGELGILQDAEIEFFPDPSWKNVDWIYVVPWGVCKLL
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.