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Product datasheet for AR51669PU-N

Cytosolic beta-glucosidase (1-469, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Cytosolic beta-glucosidase (1-469, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAFPAGF GWAAATAAYQ VEGGWDADGK GPCVWDTFTH QGGERVFKNQ TGDVACGSYT LWEEDLKCIK QLGLTHYRFS LSWSRLLPDG TTGFINQKGI DYYNKIIDDL LKNGVTPIVT LYHFDLPQTL EDQGGWLSEA IIESFDKYAQ FCFSTFGDRV KQWITINEAN VLSVMSYDLG MFPPGIPHFG TGGYQAAHNL IKAHARSWHS YDSLFRKKQK GMVSLSLFAV WLEPADPNSV SDQEAAKRAI TFHLDLFAKP IFIDGDYPEV VKSQIASMSQ KQGYPSSRLP EFTEEEKKMI KGTADFFAVQ YYTTRLIKYQ ENKKGELGIL QDAEIEFFPD PSWKNVDWIY VVPWGVCKLL KYIKDTYNNP VIYITENGFP QSDPAPLDDT QRWEYFRQTF QELFKAIQLD KVNLQVYCAW SLLDNFEWNQ GYSSRFGLFH VDFEDPARPR VPYTSAKEYA KIIRNNGLEA HL
Tag:	His-tag
Predicted MW:	56.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 1 X Phosphate Buffered Saline (pH 7.4) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GBA3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001121904
Locus ID:	57733
UniProt ID:	Q9H227

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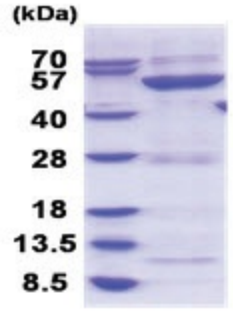
Cytogenetics: 4p15.2

Synonyms: GBA3, CBG, CBGL1

Summary: The protein encoded by this gene is an enzyme that can hydrolyze several types of glycosides. This gene is a polymorphic pseudogene, with the most common allele being the functional allele that encodes the full-length protein. 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. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Mar 2013]

Protein Pathways: Cyanoamino acid metabolism, Starch and sucrose metabolism

Product images:



15% SDS-PAGE (3ug)

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