Recombinant human Cytosolic beta-Glucosidase/GBA3 protein

Catalog Number: ATGP2849

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-469aa

UniProt No.
Q9H227

NCBI Accession No.
NP_066024

Alternative Names
Cytosolic beta-glucosidase, CBG, CBGL1, GLuC, KLRP

PRODUCT SPECIFICATION

Molecular Weight
56.1 kDa (492aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

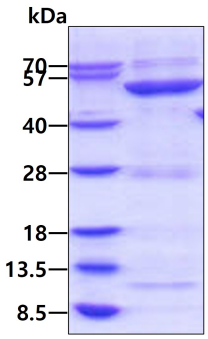
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General References

Berrin J.-G., et al, (2002) Eur. J. Biochem. 269:249-258.
Nemeth K., et al, (2003) Eur. J. Nutr. 42:29-42.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.