

Datasheet for ABIN7320988

GLB1 Protein (Fc Tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	GLB1
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLB1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant E.coli Beta-galactosidase Protein(M443L, C500S) (Fc Tag)
Sequence:	Met1-Lys1024(12-41AA deletion)
Characteristics:	Recombinant E.coli Beta-galactosidase(M443L, C500S) is produced by our E.coli expression system and the target gene encoding Met1-Lys1024(12-41AA deletion) is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GLB1
Alternative Name:	E.coli Beta-galactosidase (GLB1 Products)
Background:	Background: β -galactosidase is an exoglycosidase which hydrolyzes the β -glycosidic bond formed between a galactose and its organic moiety. It may also cleave fucosides and arabinosides but with much lower efficiency. β -galactosides include carbohydrates containing

Target Details

galactose where the glycosidic bond lies above the galactose molecule. Substrates of different β -galactosidases include ganglioside GM1, lactosylceramides, lactose, and various glycoproteins. It is an essential enzyme in the human body. Deficiencies in the protein can result in galactosialidosis or Morquio B syndrome. In E. coli, the gene of β -galactosidase, the lacZ gene, is present as part of the inducible system lac operon which is activated in the presence of lactose when glucose level is low. β -galactosidase is important for organisms as it is a key provider in the production of energy and a source of carbons through the break down of lactose to galactose and glucose.

Synonym: Beta-galactosidase, Beta-gal, Lactase, lacZ

Molecular Weight:	112.9 kDa
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UniProt:	P00722
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Pathways:	Glycosaminoglycan Metabolic Process
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Application Details

Restrictions:	For Research Use only
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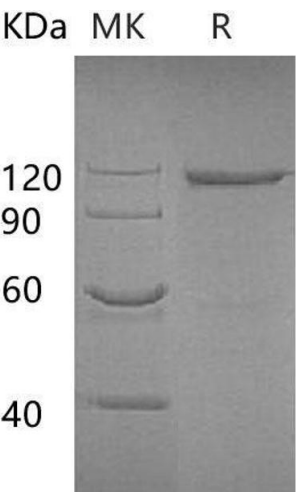
Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 μ m filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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Western Blotting

Image 1.