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## Datasheet for ABIN7319202 GLA Protein (His tag)

### Overview

Quantity:	50 µg
Target:	GLA
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLA protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Alpha-Galactosidase A/GLA Protein (His Tag)
Sequence:	Leu32-Leu429
Characteristics:	Recombinant Human alpha-Galactosidase is produced by our Mammalian expression system and the target gene encoding Leu32-Leu429 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	GLA
Alternative Name:	Alpha-Galactosidase A/GLA ( <a href="#">GLA Products</a> )
Background:	Background: α-Galactosidase A is a homodimeric glycoprotein that belongs to the glycosyl hydrolase 27 family. It is a lysosomal enzyme and used as a long-term enzyme replacement therapy in patients with a confirmed diagnosis of Fabry disease. α-Galactosidase A can

## Target Details

hydrolyze terminal  $\alpha$ -galactosyl moieties from glycolipids and glycoproteins and catalyze the hydrolysis of melibiose into galactose and glucose. Defects  $\alpha$ -Galactosidase A are the cause of Fabry disease (FD) which is a rare X-linked sphingolipidosis disease with glycolipid accumulates in many tissues. The disease consists of an inborn error of glycosphingolipid catabolism. FD patients show systemic accumulation of globotriaosylceramide (Gb3) and related glycosphingolipids in the plasma and cellular lysosomes throughout the body. Patients may show ocular deposits, febrile episodes, and burning pain in the extremities. Death results from renal failure, cardiac or cerebral complications of hypertension or other vascular disease. Synonym: Alpha-Galactosidase A, Alpha-D-Galactosidase A, Alpha-D-Galactoside Galactohydrolase, Melibiase, Agalsidase, GLA, GLAL

Molecular Weight: 46.4 kDa

UniProt: [P06280](#)

Pathways: [SARS-CoV-2 Protein Interactome](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2  $\mu$ m filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.