

Active Recombinant Human GLA protein, His-tagged

Cat. No. GLA-45H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GLA(Met1-Leu429) fused with His tag at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	1-429 a.a.
Predicted N Terminal	Leu32
Form	Supplied as a 0.2 µm filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to hydrolyze 4-methylumbelliferyl-alpha -D-galactopyranoside. The specific activity is >1,100 pmol/min/µg.
Molecular Mass	Predicted Molecular Mass: 46 kDa; SDS-PAGE: 45-55 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane
Storage	Avoid repeated freeze-thaw cycles.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

6 months from date of receipt, -20 to -70 centigrade as supplied.
 3 months, -20 to -70 centigrade under sterile conditions after opening.

GENE INFORMATION

Gene Name	GLA galactosidase, alpha [Homo sapiens]
Official Symbol	GLA
Synonyms	GLA; galactosidase, alpha; alpha-galactosidase A; GALA; melibiase; alpha-gal A; agalsidase alfa; alpha-D-galactosidase A; alpha-D-galactoside galactohydrolase 1;
Gene ID	2717
mRNA Refseq	NM_000169
Protein Refseq	NP_000160
MIM	300644
UniProt ID	P06280
Chromosome Location	Xq21.3-q22
Pathway	Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycosphingolipid biosynthesis - globo series, organism-specific biosystem; Glycosphingolipid biosynthesis - globo series, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem;

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Function

alpha-galactosidase activity; alpha-galactosidase activity; alpha-galactosidase activity; catalytic activity; cation binding; galactoside binding; hydrolase activity; hydrolase activity, hydrolyzing O-glycosyl compounds; protein binding; protein homodimerization activity; raffinose alpha-galactosidase activity; receptor binding;

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