

Active Recombinant Mouse Gla protein, His-tagged

Cat. No. Gla-7408M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gla protein(Q8BGZ6)(Met1-Arg421), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg421
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to hydrolyze 4-methylumbelliferyl- α -D-galactopyranoside.The s pecific activity is > 400 pmoles/min/ μ g.
Molecular Mass	The recombinant mouse Gla comprises 399 amino acids and has a predicted molecular mass of 45.6 kDa. The apparent molecular mass of the protein is approximately 46-52 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Gla galactosidase, alpha [*Mus musculus*]

Official Symbol Gla

Synonyms GLA; galactosidase, alpha; alpha-galactosidase A; melibiase; alpha-D-galactosidase A; alpha-D-galactoside galactohydrolase; Ags;

Gene ID 11605

mRNA Refseq NM_013463

Protein Refseq NP_038491

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