

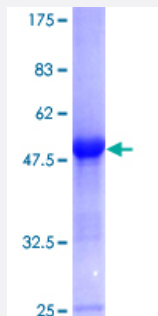
Full-Length

GLO1 (Human) Recombinant Protein (P01)

Catalog # H00002739-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GLO1 full-length ORF (AAH11365, 1 a.a. - 184 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEPQPPSGGLTDEAALSYCSDADPSTKDFLLQQTMLRVKDPKKSLEDFYTRVLGMTLIQKCDFPI
MKFSLYFLAYEDKNDIPKEKDEKIAWALSRKATLELTHNWGTEDDETQSYHNGNSDPRGFHIGIA
VPDVYSACKRFEELGVKFVKKPDDGKMKGLAFIQDPDGYWIELNPNKMATLM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

45.98

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GLO1

Entrez GeneID	2739
GeneBank Accession#	BC011365
Protein Accession#	AAH11365
Gene Name	GLO1
Gene Alias	GLOD1, GLYI
Gene Description	glyoxalase I
Omim ID	138750 209850
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere. [provided by RefSeq]
Other Designations	OTTHUMP00000016339 glyoxalase domain containing 1 lactoyl glutathione lyase lactoylglutathione lyase

Pathway

- [Pyruvate metabolism](#)

Disease

- [Albuminuria](#)
- [Alcoholism](#)
- [Atherosclerosis](#)
- [Autistic Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Genetic Predisposition to Disease](#)
- [Interview](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Multiple Sclerosis](#)
- [Pancreatic Neoplasms](#)
- [Panic Disorder](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Uremia](#)
- [Vascular Diseases](#)