

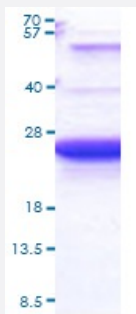
Bioactive

GLO1 (Human) Recombinant Protein

Catalog # P6798

Size 20 ug

Applications



15% SDS-PAGE Stained with Coomassie Blue.

Specification

Product Description	Human GLO1 (NP_001209.1, 25 a.a. - 301 a.a.) partial recombinant protein with His tag expressed in Baculovirus expression system.
Host	Viruses
Theoretical MW (kDa)	20.7
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU/ug
Activity	Specific activity is > 400 unit/mg. One unit will form 1.0 umol of S-lactoylgutathione from methylglyoxal and reduced glutathione per minute at pH 6.5 at 25°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue 15% SDS-PAGE Stained with Coomassie Blue.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.

Storage Buffer	In 20 mM Tris-HCl, 1 mM DTT, pH 8.0 (10% glycerol)
-----------------------	--

Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
----------------------------	--

Applications

- SDS-PAGE

Gene Info — GLO1

Entrez GeneID	2739
----------------------	----------------------

Protein Accession#	Q04760
---------------------------	------------------------

Gene Name	GLO1
------------------	------

Gene Alias	GLOD1, GLY1
-------------------	-------------

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](#)