Hydroxyacylglutathione Hydrolase (gloB) Thiomicrospira Crunogena Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydroxyacylglutathione hydrolase (gloB), Recombinant Protein
Full Product Name	Recombinant Thiomicrospira crunogena Hydroxyacylglutathione hydrolase (gloB)
Product Gene Name	gloB recombinant protein
Product Synonym Gene Name	gloB
Sequence	MKIVGLPTLS DNYTWVIQSE NADDKRAWIV DPGESQKVIH YFEENQLQLD GILLTHHHYD HTDGIMGVMD ALGEVAIVSN AQGPFKPVTH PVKEGDQVQV LNETFQVIET PGHTDEHICF YHPEALFSGD TLFTGGCGKI WQNPPEQMAE SLLKLRALND DCMVYCGHEY TYANLNFAKI AEPNTPAILD RLAEVKTNTQ RNIPCVPARL GLEKQTNPFL RFDHPPLMQT LMERQAQPNE SVSTLFATLR AWKDELDQTN ILEAGLND
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	30,195 Da
Sequence Positions	1-268, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q31H51
Species	Thiomicrospira crunogena (strain XCL-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gloB recombinant protein	MBS1380241 is a recombinant protein targeting gloB. Also known as Recombinant Thiomicrospira crunogena Hydroxyacylglutathione hydrolase (gloB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gloB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for gloB. It may not necessarily be applicable to this product.

NCBI GI #	499689615
NCBI Accession #	WP_011370349.1
UniProt Primary Accession #	Q31H51
GenBank Nucleotide #	WP_011370349.1
NCBI Official Full Name	hydroxyacylglutathione hydrolase

UniProt Protein Name	Hydroxyacylglutathione hydrolase
UniProt Synonym Protein Names	Glyoxalase II
Protein Family	Hydroxyacylglutathione hydrolase
UniProt Gene Name	gloB
UniProt Synonym Gene Names	Glx II
UniProt Comments for gloB	Thiolesterase that catalyzes the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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