Glyoxylate Reductase (gyaR) Pyrococcus Kodakaraensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glyoxylate reductase (gyaR), Recombinant Protein
Full Product Name	Recombinant Pyrococcus kodakaraensis Glyoxylate reductase (gyaR)
Product Gene Name	gyaR recombinant protein
Product Synonym Gene Name	gyaR; TK0683
Product Synonym Names	Glyoxylate reductase; EC=1.1.1.26
Sequence	MRPKVFITRA IPENGIEMLK EHFEVEVWPE EREIPREVLL KKVRDVDALV TMLSERIDSE VFDAAPRLRI VANYAVGYDN IDVEEATRRG IYVTNTPDVL TDATADFAWT LLLATARRLI EADHFTRSGE WKRRGIAWHP RWFLGYDVYG KTIGIVGFGR IGQAVARRAR GFGMRILYYS RSRKPEAEKE LGAEFRSLED LLRESDFVVL AVPLTKETQY MINEERLRLM KKTAILVNIA RGKVVDTKAL MKALKEGWIA GAGLDVYEEE PYYNEELFSL KNVVLAPHIG SATYGAREGM AELVARNLIA FKNGEVPPTL VNKEVVKVRK PGF
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	37,931 Da
Sequence Positions	1-333aa; 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 Q5JEZ2
Species	Pyrococcus kodakaraensis (strain BAA-918 / JCM 12380 / KOD1) (Thermococcus kodakaraensis (strain KOD1))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gyaR recombinant protein	MBS1339653 is a recombinant protein targeting gyaR. Also known as Recombinant Pyrococcus kodakaraensis Glyoxylate reductase (gyaR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of gyaR 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 gyaR. It may not necessarily be applicable to this product.

NCBI GI #	57640618
NCBI GeneID	3234458
NCBI Accession #	YP_183096.1
UniProt Primary Accession #	Q5JEZ2

UniProt Related Accession #	Q5JEZ2
GenBank Nucleotide #	NC_006624.1
NCBI Official Full Name	glyoxylate reductase
NCBI Official Symbol	TK0683
UniProt Protein Name	Glyoxylate reductase
Protein Family	Glyoxylate reductase
UniProt Gene Name	gyaR
UniProt Entry Name	GYAR_THEKO
NCBI Protein Information	glyoxylate reductase
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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