Glyoxylate/Hydroxypyruvate Reductase A (ghrA) Shigella Boydii Serotype 4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glyoxylate/hydroxypyruvate reductase A (ghrA), Recombinant Protein
Full Product Name	Recombinant Shigella boydii serotype 4 Glyoxylate/hydroxypyruvate reductase A (ghrA)
Product Gene Name	ghrA recombinant protein
Product Synonym Gene Name	ghrA
Sequence	MDIIFYHPTF DTQWWIEALR KAIPQARVRA WKSGDNDSAD YALVWHPPVE MLAGRDLKAV FALGAGVDSI LSKLQAHPEM LNPSVPLFRL EDTGMGEQMQ EYAVSQVLHW FRRFDDYRIQ QNSSHWQPLP EYHWEDFTIG ILGAGVLGSK VAQSLQTWRF PLRCWSRTRK SWPGVQSFAG REELSAFLSQ CRVLINLLPN TPETVGIINQ QLLEKLPDGA YLLNLARGVH VVEDDLLAAL DSGKVKGAML DVFNREPLPP ESPLWQHPRV TITPHVAAIT RPAEAVEYIS RTIAQLEKGE RVCGQVDRAR GY
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	35,373 Da
Sequence Positions	1-312, Full length
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 Q31Z89
Species	Shigella boydii serotype 4 (strain Sb227)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ghrA recombinant protein	MBS1284972 is a recombinant protein targeting ghrA. Also known as Recombinant Shigella boydii serotype 4 Glyoxylate/hydroxypyruvate reductase A (ghrA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ghrA 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 ghrA. It may not necessarily be applicable to this product.

NCBI GI #	446273468
NCBI Accession #	WP_000351323.1
UniProt Primary Accession #	Q31Z89
GenBank Nucleotide #	WP_000351323.1

NCBI Official Full Name	MULTISPECIES: glyoxylate/hydroxypyruvate reductase A
UniProt Protein Name	Glyoxylate/hydroxypyruvate reductase A
UniProt Synonym Protein Names	2-ketoacid reductase
Protein Family	Glyoxylate/hydroxypyruvate reductase
UniProt Gene Name	ghrA
UniProt Comments for ghrA	Catalyzes the NADPH-dependent reduction of glyoxylate and hydroxypyruvate into glycolate and glycerate, respectively.
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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