Transcriptional Regulator Kdgr (kdgR) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcriptional regulator kdgR (kdgR), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Transcriptional regulator kdgR (kdgR)
Product Gene Name	kdgR recombinant protein
Sequence	MANADLDKQP DSVSSVLKVF GILQALGEER EIGITELSQR VMMSKSTVYR FLQTMKTLGY VAQEGESEKY SLTLKLFELG ARALQNVDLI RSADIQMREL SRLTKETIHL GALDEDSIVY IHKIDSMYNL RMYSRIGRRN PLYSTAIGKV LLAWRDRDEV KQILEGVEYK RSTERTITST EALLPVLDQV REQGYGEDNE EQEEGLRCIA VPVFDRFGVV IAGLSISFPT LRFSEERLQE YVAMLHTAAR KISAQMGYHD YPF
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	30,029 Da
Sequence Positions	1-263, 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 P76268
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdgR recombinant protein	MBS1131663 is a recombinant protein targeting kdgR. Also known as Recombinant Escherichia coli Transcriptional regulator kdgR (kdgR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdgR 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 kdgR. It may not necessarily be applicable to this product.

NCBI GI #	16129781
NCBI GeneID	946129
NCBI Accession #	NP_416341.1
UniProt Primary Accession #	P76268
UniProt Secondary Accession #	O07975
GenBank Nucleotide #	NC_000913.3

NCBI Official Full Name	KDG regulon transcriptional repressor
NCBI Official Symbol	kdgR
NCBI Official Synonym Symbols	ECK1826; JW1816; yebP
UniProt Protein Name	Transcriptional regulator KdgR
Protein Family	HTH-type transcriptional regulator
UniProt Gene Name	kdgR
UniProt Synonym Gene Names	yebP
NCBI Protein Information	KDG regulon transcriptional repressor
NCBI Summary for kdgR	A kdgRyebQ clone conferred hypersensitivity to trimethoprim, but a yebQ-alone expression clone did not, leading the authors to conclude that overexpression of the transcriptional regulator YnfL was responsible for the Acr-S phenoptype. [More information is available at EcoGene: EG14018]. The "2-Keto-3-deoxygluconate repressor," KdgR, is a DNA-binding transcription factor that represses transcription of the operons involved in transport and catabolism of 2-keto-3-deoxy gluconate (KDG) . [More information is available at EcoCyc: G7003].
UniProt Comments for kdgR	Transcriptional regulator of the kdgK gene for the kdg kinase and the kdgT gene for the kdg permease.
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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