Deoxycytidylate 5-Hydroxymethyltransferase (42) Enterobacteria Phage T4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxycytidylate 5-hydroxymethyltransferase (42), Recombinant Protein
Full Product Name	Recombinant Enterobacteria phage T4 Deoxycytidylate 5-hydroxymethyltransferase (42)
Product Gene Name	42 recombinant protein
Sequence	MISDSMTVEE IRLHLGLALK EKDFVVDKTG VKTIEIIGAS FVADEPFIFG ALNDEYIQRE LEWYKSKSLF VKDIPGETPK IWQQVASSKG EINSNYGWAI WSEDNYAQYD MCLAELGQNP DSRRGIMIYT RPSMQFDYNK DGMSDFMCTN TVQYLIRDKK INAVVNMRSN DVVFGFRNDY AWQKYVLDKL VSDLNAGDST RQYKAGSIIW NVGSLHVYSR HFYLVDHWWK TGETHISKKD YVGKYA
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	28,489 Da
Sequence Positions	1-246, 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 P08773
Species	Enterobacteria phage T4 (Bacteriophage T4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for 42 recombinant protein	MBS1261350 is a recombinant protein targeting 42. Also known as Recombinant Enterobacteria phage T4 Deoxycytidylate 5-hydroxymethyltransferase (42). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of 42 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 42. It may not necessarily be applicable to this product.

NCBI GI #	9632636
NCBI GeneID	1258746
NCBI Accession #	NP_049659.1
UniProt Primary Accession #	P08773
UniProt Related Accession #	P08773

GenBank Nucleotide #	NC_000866.4
NCBI Official Full Name	gp42 dCMP hydroxymethylase
NCBI Official Symbol	42
UniProt Protein Name	Deoxycytidylate 5-hydroxymethyltransferase
UniProt Synonym Protein Names	dCMP hydroxymethylase; dCMP HMase
UniProt Gene Name	42
UniProt Synonym Gene Names	Deoxycytidylate hydroxymethylase; dCMP HMase
NCBI Protein Information	dCMP hydroxymethylase for producing modified hydroxymethylcytosine in T4 DNA
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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