Dihydrofolate Reductase 1 (folA1) Haloarcula Marismortui Recombinant Protein

PRODUCT OVERVIEW

Product Name	Dihydrofolate reductase 1 (folA1), Recombinant Protein
Full Product Name	Recombinant Haloarcula marismortui Dihydrofolate reductase 1 (folA1)
Product Gene Name	folA1 recombinant protein
Product Synonym Gene Name	folA1; rrnAC0859
Product Synonym Names	Dihydrofolate reductase 1; EC=1.5.1.3
Sequence	MTMIPDTELV LVVAADENNV IGLDGGVPWH YPEDVRQYKN RIAGHPIILG RRTFESMKPI PDCYTVVLTS DDRRSADSET VEYATTPQIA VEAAARAGAS GAFAGDSAGA DSSPPVTYVI GGEAVYDLFL PFAGRVFLSR IHEHNEGDRY FPDLGAEWTE LSREPHDGFD VIEYEQASPR PLDDL
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	20,284 Da
Sequence Positions	1-185aa; 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 Q5V3R2
Species	Haloarcula marismortui (strain 43049 / DSM 3752 / JCM 8966 / VKM B-1809) (Halobacterium marismortui)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for folA1 recombinant protein	MBS1337370 is a recombinant protein targeting folA1. Also known as Recombinant Haloarcula marismortui Dihydrofolate reductase 1 (folA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of folA1 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 folA1. It may not necessarily be applicable to this product.

NCBI GI #	499542498
NCBI GeneID	3130204
NCBI Accession #	WP_011223281.1
UniProt Primary Accession #	Q5V3R2
UniProt Related Accession #	Q5V3R2

GenBank Nucleotide #	WP_011223281.1
NCBI Official Full Name	dihydrofolate reductase
NCBI Official Symbol	folA1
UniProt Protein Name	Dihydrofolate reductase 1
Protein Family	Dihydrofolate reductase
UniProt Gene Name	folA1
UniProt Entry Name	DYR1_HALMA
NCBI Protein Information	dihydrofolate reductase
UniProt Comments for folA1	Key enzyme in folate metabolism. Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis ().
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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