Hydrogenase Isoenzymes Formation Protein Hypc (hypC) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydrogenase isoenzymes formation protein hypC (hypC), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri Hydrogenase isoenzymes formation protein hypC (hypC)
Product Gene Name	hypC recombinant protein
Sequence	MCIGVPGQIR TIDGNQAKVD VCGIQRDVDL TLVGSCDENG QPRVGQWVLV HVGFAMSVIN EAEARDTLDA LQNMFDVEPD VGALLYGEEK
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	9,732 Da
Sequence Positions	1-90, 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 P0AAM6
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hypC recombinant protein	MBS1242619 is a recombinant protein targeting hypC. Also known as Recombinant Shigella flexneri Hydrogenase isoenzymes formation protein hypC (hypC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hypC 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 hypC. It may not necessarily be applicable to this product.

NCBI GI #	24114019
NCBI GeneID	1023542
NCBI Accession #	NP_708529.1
UniProt Primary Accession #	P0AAM6
UniProt Secondary Accession #	P24191
GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	hydrogenase assembly chaperone

NCBI Official Symbol	hypC
UniProt Protein Name	Hydrogenase maturation factor HypC
Protein Family	Hydrogenase expression/formation protein
UniProt Gene Name	hypC
NCBI Protein Information	hydrogenase assembly chaperone
UniProt Comments for hypC	Involved in the maturation of [NiFe] hydrogenases. Involved in the biosynthesis of the Fe(CN)2CO cofactor. HypC delivers iron-bound CO2 to HypD where reduction to CO probably occurs. In complex with HypD, accepts the cyanide ligand generated by HypF and HypE, and also coordinates the carbon monoxide ligand.
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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