Hydrogenase-1 Small Chain (hyaA) Citrobacter Freundii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydrogenase-1 small chain (hyaA), Recombinant Protein
Full Product Name	Recombinant Citrobacter freundii Hydrogenase-1 small chain (hyaA)
Product Gene Name	hyaA recombinant protein
Product Synonym Gene Name	hyaA
Sequence	LENKPRIPVV WIHGLECTCC TESFIRSSHP LAKDVILSLI SLDYDDTLMA AAGTQAEEVF EDILSRYHGR YILAVEGNPP LGEQGMFCIS GGRPFIEKAK RAAAGASAII AWGTCASWGC VQAARPNPTQ ATPIDKVITD KPIVKVPGCP PIPDVMSAII TYMVTFDRLP ELDRLGRPLM FYGQRIHDKC YRRAHFDAGE FVESWDDDAA RKGYCLYKMG CKGPTTYNAC STTRWNGGVS FPIQSGHGCL GCSENGFWDR GSFYSRVVDI PQMGTHSTAD TVGLTALGVV ASSVGVHAVA SAVNQHNRHK QQLADAGQQS PDNEDKQA
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	40,923 Da
Sequence Positions	48-375, 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 Q46045
Species	Citrobacter freundii
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hyaA recombinant protein	MBS1332076 is a recombinant protein targeting hyaA. Also known as Recombinant Citrobacter freundii Hydrogenase-1 small chain (hyaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hyaA 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 hyaA. It may not necessarily be applicable to this product.

NCBI GI #	2495222
NCBI Accession #	Q46045.1
UniProt Primary Accession #	Q46045
NCBI Official Full Name	Hydrogenase-1 small chain
UniProt Protein Name	Hydrogenase-1 small chain

UniProt Synonym Protein Names	Membrane-bound hydrogenase 1 small subunit; NiFe hydrogenase
Protein Family	Hydrogenase
UniProt Gene Name	hyaA
UniProt Synonym Gene Names	HYD1
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