Cyanate Hydratase (CYN1) Ustilago Maydis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cyanate hydratase (CYN1), Recombinant Protein
Full Product Name	Recombinant Ustilago maydis Cyanate hydratase (CYN1)
Product Gene Name	CYN1 recombinant protein
Product Synonym Gene Name	CYN1
Sequence	MSSSNIQRPK ILSTLPSIFS YLHDAKVRSK MTFADIAAEM DRDEWYVAAI FYGQAKPDQA DIVKLSAALN LQQRYLDEAF GPDFFPHRGL GEFPPQDPVL YRLYEVLVVY GYPLKHMIHE KFGDGIMSAI DFEGHVEKVK GSSNEDRVKI TLNGKFLPYR RW
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	18,619 Da
Sequence Positions	1-162, 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 Q4PD40
Species	Ustilago maydis (strain 521 / FGSC 9021) (Smut fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYN1 recombinant protein	MBS1384251 is a recombinant protein targeting CYN1. Also known as Recombinant Ustilago maydis Cyanate hydratase (CYN1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CYN1 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 CYN1. It may not necessarily be applicable to this product.

NCBI GI #	758975965
NCBI GeneID	23567270
NCBI Accession #	XP_011388037.1
UniProt Primary Accession #	Q4PD40
UniProt Secondary Accession #	A0A0D1E8V1
UniProt Related Accession #	Q4PD40

GenBank Nucleotide #	XM_011389735.1
NCBI Official Full Name	putative Cyanate hydratase
NCBI Official Symbol	UMAG_11378
UniProt Protein Name	Cyanate hydratase
UniProt Synonym Protein Names	Cyanate hydrolase
UniProt Gene Name	CYN1
UniProt Synonym Gene Names	Cyanase
NCBI Protein Information	putative Cyanate hydratase
UniProt Comments for CYN1	Catalyzes the reaction of cyanate with bicarbonate to produce ammonia and carbon dioxide.
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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