Chitin Synthase Export Chaperone (CHS7) Gibberella Zeae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chitin synthase export chaperone (CHS7), Recombinant Protein
Full Product Name	Recombinant Gibberella zeae Chitin synthase export chaperone (CHS7)
Product Gene Name	CHS7 recombinant protein
Sequence	MSGFGDFTTI CETAPLPLCA AVGPVLQATG RTGIEPECYA RNIELANTII FEGATAVMHI VALVMTVIMI LHVRSKFTAV GRKEILSFFY LYMLLSAMSL VIDAGVVPPG SDPYPYLVSV QNGFSSAVIT CLLINGFVGF QLYEDGTPLS VWMLRISTLA AFTISFLVSL ATFKSWAGLS PTNTVGLFVV LYLLNAIQLF IYVAMQILLV TRTLHDRWPL GDIAFGIFFF VAGQVFLYAF SSKICNAISH YLDGLFLATV CNLLGVMMVY KYWDSITKED LEFSVGTRMN NWEVKELLPE EERRATVFSE DLYGQNSSYD LPYSPGAARY SAKY
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	36,923 Da
Sequence Positions	1-334aa; full length protein
3D Structure	ModBase 3D Structure for Q4IJ79
Species	Gibberella zeae (strain PH-1 / MYA-4620 / FGSC 9075 / NRRL 31084) (Wheat head blight fungus) (Fusarium graminearum)
Product Categories/Family for CHS7 recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for CHS7 recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for CHS7 recombinant protein	MBS7011482 is a recombinant protein targeting CHS7. Also known as Recombinant Gibberella zeae Chitin synthase export chaperone (CHS7). Host: Cell Free Expression.
Other Notes	Small volumes of CHS7 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 CHS7. It may not necessarily be applicable to this product.

NCBI GI #	758192624
NCBI GeneID	23550090
NCBI Accession #	XP_011318690.1
UniProt Primary Accession #	Q4IJ79
UniProt Secondary Accession #	I1RG75; V6R8K0
UniProt Related Accession #	Q4IJ79

GenBank Nucleotide #	XM_011320388.1
NCBI Official Full Name	hypothetical protein FGSG_02729
NCBI Official Symbol	FGSG_02729
UniProt Protein Name	Chitin synthase export chaperone
Protein Family	Chitin synthase
UniProt Gene Name	CHS7
UniProt Entry Name	CHS7_GIBZE
NCBI Protein Information	hypothetical protein
UniProt Comments for CHS7	Chaperone required for the export of the chitin synthase CHS3 from the endoplasmic reticulum.
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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