Chalcone Synthase 1 (CHS1) Sorghum Bicolor Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chalcone synthase 1 (CHS1), Recombinant Protein
Full Product Name	Recombinant Sorghum bicolor Chalcone synthase 1 (CHS1)
Product Gene Name	CHS1 recombinant protein
Product Synonym Gene Name	CHS1
Sequence	MAGATVTVEE VRKAQRATGP ATVLAIGTAT PANCVHQADY PDYYFRITKS EHMTELKEKF KRMCDKSQIR KRYMHLTEEY LAENPNMCAY MAPSLDARQD IVVVEVPKLG KAAAQKAIKE WGQPKSKITH LVFCTTSGVD MPGADYQLTK MLGLRPSVNR LMMYQQGCFA GGTVLRVAKD LAENNRGARV LVVCSEITAV TFRGPSESHL DSMVGQALFG DGAAAVIVGA DPDERVERPL FQLVSASQRI LPDSEGAIDG HLREVGLTFH LLKDVPGLIS KNIERALEEA FKPLGITDYN SIFWVAHPGG PAILDQVEAK VGLEKERMRA TRHVLSEYGN MSSACVLFIL DEMRKRSAED GQTTTGEGFD WGVLFGFGPG LTVETVVLHS VPITTGAAIT A
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	43,745 Da
Sequence Positions	1-401, 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 Q9XGX2
Species	Sorghum bicolor (Sorghum) (Sorghum vulgare)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CHS1 recombinant protein	MBS1438200 is a recombinant protein targeting CHS1. Also known as Recombinant Sorghum bicolor Chalcone synthase 1 (CHS1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CHS1 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 CHS1. It may not necessarily be applicable to this product.

NCBI GI #	242071195
NCBI GeneID	8064817
NCBI Accession #	XP_002450874.1
UniProt Primary Accession #	Q9XGX2

UniProt Related Accession #	Q9XGX2
GenBank Nucleotide #	XM_002450829.2
NCBI Official Full Name	chalcone synthase 1
NCBI Official Symbol	LOC8064817
NCBI Official Synonym Symbols	CHS1
UniProt Protein Name	Chalcone synthase 1
UniProt Synonym Protein Names	Naringenin-chalcone synthase 1
Protein Family	Chalcone synthase
UniProt Gene Name	CHS1
NCBI Protein Information	chalcone synthase 1
UniProt Comments for CHS1	The primary product of this enzyme is 4,2',4',6'-tetrahydroxychalcone (also termed naringenin-chalcone or chalcone) which can under specific conditions spontaneously isomerize into naringenin.
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