Cis-Zeatin O-Glucosyltransferase 1 (CISZOG1) Zea Mays Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cis-zeatin O-glucosyltransferase 1 (CISZOG1), Recombinant Protein
Full Product Name	Recombinant Zea mays Cis-zeatin O-glucosyltransferase 1 (CISZOG1)
Product Gene Name	CISZOG1 recombinant protein
Product Synonym Gene Name	CISZOG1
Sequence	MAVDTMESVA VVAVPFPAQG HLNQLLHLSL LLASRGLSVH YAAPPPHVRQ ARARVHGWDP RALGSIRFHD LDVPPYDSPA PDLAAPSPFP NHLMPMFEAF AAAARAPLAA LLQRLSTSYR RVAVVFDRLN PFAATEAARL ANADAFGLQC VAISYNVGWL DPGHRLLSDY GLQFLPPDAC MSREFVDLVF RMEEEEQGAP VAGLVMNTCR ALEGEFLDVV AAQPPFQGQR FFAVGPLNPL LLDADAPTTP PGQARHECLE WLDRQPPESV LYVSFGTTSC LHADQVAELA AALKGSKQRF VWVLRDADRA DIYAESGESR HAMFLSEFTR ETEGTGLVIT GWAPQLEILA HGATAAFMSH CGWNSTIESL SHGKPVLAWP MHSDQPWDSE LLCKYFKAGL LVRPWEKHAE IVPAQAIQKV IEEAMLSDSG MAVRQRAKEL GEAVRASVAD GGNSRKDLDD FIGYITR
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	51,129 Da
Sequence Positions	1-467, 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 Q93XP7
Species	Zea mays (Maize)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CISZOG1 recombinant protein	MBS1333093 is a recombinant protein targeting CISZOG1. Also known as Recombinant Zea mays Cis-zeatin O-glucosyltransferase 1 (CISZOG1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CISZOG1 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 CISZOG1. It may not necessarily be applicable to this product.

NCBI GI #	162458300
NCBI GeneID	541881
NCBI Accession #	NP_001105017.1

UniProt Primary Accession #	Q93XP7
UniProt Secondary Accession #	Q8S465
UniProt Related Accession #	Q93XP7
GenBank Nucleotide #	NM_001111547.2
NCBI Official Full Name	cis-zeatin O-glucosyltransferase 1
NCBI Official Symbol	czog1
NCBI Official Synonym Symbols	ciszog1; GRMZM2G168474
UniProt Protein Name	Cis-zeatin O-glucosyltransferase 1
Protein Family	Cis-zeatin O-glucosyltransferase
UniProt Gene Name	CISZOG1
UniProt Synonym Gene Names	cisZOG1
NCBI Protein Information	cis-zeatin O-glucosyltransferase 1
UniProt Comments for CISZOG1	Utilizes UDP-glucose as the sugar donor and catalyzes the formation of O-beta-D-glucosyl-cis-zeatin from cis-zeatin. May regulate active versus storage forms of cytokinins and could have an impact on seed growth.
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