Cutinase 2 (CUT2) Fusarium Solani Subsp. Pisi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cutinase 2 (CUT2), Recombinant Protein
Full Product Name	Recombinant Fusarium solani subsp. pisi Cutinase 2 (CUT2)
Product Gene Name	CUT2 recombinant protein
Product Synonym Gene Name	CUT2
Sequence	LPTSHPVQEL EARQLGGGTT RNDLTNGNSA SCADVIFIYA RGSTETGNLG TLGPSIASKL ESAFGRDGVW IQGVGGAYRA TLGDNSLPRG TSSAAIREML GLFQQANTKC PDATLIAGGY SQGAALGAAS VEDLDSAIRD KIAGTVLFGY TKNLQNHGRI PNFPADRTKV FCNTGDLVCT GSLIIAAPHL TYGPDARGPA PEFLIEKVRA VRGSA
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	23,932 Da
Sequence Positions	17-231, 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 Q96UT0
Species	Fusarium solani subsp. pisi (Nectria haematococca)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CUT2 recombinant protein	MBS1293837 is a recombinant protein targeting CUT2. Also known as Recombinant Fusarium solani subsp. pisi Cutinase 2 (CUT2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CUT2 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 CUT2. It may not necessarily be applicable to this product.

NCBI GI #	20137890
NCBI Accession #	Q96UT0.1
UniProt Primary Accession #	Q96UT0
NCBI Official Full Name	Cutinase 2
UniProt Protein Name	Cutinase 2
UniProt Synonym Protein Names	Cutin hydrolase 2

Protein Family	Probable cutinase
UniProt Gene Name	CUT2
UniProt Comments for CUT2	Catalyzes the hydrolysis of cutin, a polyester that forms the structure of plant cuticle. Allows pathogenic fungi to penetrate through the cuticular barrier into the host plant during the initial stage of the fungal infection ().
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