Carboxymethylenebutenolidase 2 (tfdEII) Cupriavidus Pinatubonensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carboxymethylenebutenolidase 2 (tfdEII), Recombinant Protein
Full Product Name	Recombinant Cupriavidus pinatubonensis Carboxymethylenebutenolidase 2 (tfdEII)
Product Gene Name	tfdEII recombinant protein
Sequence	MCHDTAPALF PRTASTGSID GAICALCYAG ATRGPRLLVL PDIYGCNAFY RGYAAYLAEQ GAGEVLLVDP FAAFGELATV TREAAFQRRH RLADRAYVEE LIDFIDGQRI EGVVGFCLGG LFVFELARQQ VVSRLVAYYP FPQGLENRDP LDVPFDYLPA LRSRHTVIVG DDDALLGTQN LQRLQAQARA NDAIDLHIMN GAGHGFLADL ESPDTARAAV AKRGLRIGTT TLLGG
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	25,400 Da
Sequence Positions	1-235, 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 P94136
Species	Cupriavidus pinatubonensis (strain JMP134 / LMG 1197) (Alcaligenes eutrophus) (Ralstonia eutropha)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tfdEII recombinant protein	MBS1227928 is a recombinant protein targeting tfdEII. Also known as Recombinant Cupriavidus pinatubonensis Carboxymethylenebutenolidase 2 (tfdEII). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tfdEII 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 tfdEII. It may not necessarily be applicable to this product.

NCBI GI #	499491752
NCBI Accession #	WP_011178392.1
UniProt Primary Accession #	P94136
UniProt Secondary Accession #	Q46M60
GenBank Nucleotide #	WP_011178392.1

NCBI Official Full Name	MULTISPECIES: carboxymethylenebutenolidase
UniProt Protein Name	Carboxymethylenebutenolidase 2
UniProt Synonym Protein Names	Carboxymethylenebutenolidase II; Dienelactone hydrolase II; DLH II
Protein Family	Carboxymethylenebutenolidase
UniProt Gene Name	tfdEII
UniProt Synonym Gene Names	DLH II
UniProt Comments for tfdEII	Ring cleavage of cyclic ester dienelactone to produce maleylacetate.MiscellaneousCarboxymethylenebutenolidase is specific for dienelactone and has no activity toward enol-lactones.
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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