1,2-Dihydroxy-3-Keto-5-Methylthiopentene Dioxygenase (adi1) Dictyostelium Discoideum Recombinant Protein

PRODUCT OVERVIEW

Product Name	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (adi1), Recombinant Protein
Full Product Name	Recombinant Dictyostelium discoideum 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (adi1)
Product Gene Name	adi1 recombinant protein
Product Synonym Gene Name	adi1
Sequence	MKSYFYDNES DVISLDYLKE HNVLYFPMDR EKENYKEPLE TLCKERGYKN RDEVKLSKET PGLEDKLKIF FEEHLHDDEE IRFILDGCGF FDIRDKNDKW VKIKEKKGDL IIVPANMYHR FALDESRNIH AMRLFTDAPK WVPINRY
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	17,815 Da
Sequence Positions	1-147, 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 Q54ER6
Species	Dictyostelium discoideum (Slime mold)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for adi1 recombinant protein	MBS1332740 is a recombinant protein targeting adi1. Also known as Recombinant Dictyostelium discoideum 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase (adi1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of adi1 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 adi1. It may not necessarily be applicable to this product.

NCBI GI #	66802604
NCBI GeneID	8628120
NCBI Accession #	XP_635174.1
UniProt Primary Accession #	Q54ER6
GenBank Nucleotide #	XM_630082.1

NCBI Official Full Name	ARD/ARD' family protein
NCBI Official Symbol	adi1
UniProt Protein Name	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
UniProt Synonym Protein Names	Acireductone dioxygenase (Fe(2+)-requiring)
Protein Family	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase
UniProt Gene Name	adi1
UniProt Synonym Gene Names	ARD; Fe-ARD
NCBI Protein Information	ARD/ARD' family protein; acireductone dioxygenase 1
UniProt Comments for adi1	Catalyzes the formation of formate and 2-keto-4-methylthiobutyrate (KMTB) from 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene).
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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