Putative Aminoacrylate Hydrolase Rutd (rutD) Enterobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Putative aminoacrylate hydrolase RutD (rutD), Recombinant Protein
Full Product Name	Recombinant Enterobacter sp. Putative aminoacrylate hydrolase RutD (rutD)
Product Gene Name	rutD recombinant protein
Sequence	MKISLSPPPF ADAPVVVLIA GLGGSGSYWL PQLAALEQEY QVVCYDQRGT GNNAGELPHG YTLGNMADEL YQALLNAGIP RFTVIGHALG ALVGLQLAIA HPDAVRALVC VNGWLSLNAH TRRCFQIRER LLHAGGAQAW VEAQPLFLYP ADWMAARAPR MEAEEALALA HFQGTNNLQR RLLALKQADF RAQAKHVHCP VQIICSTDDL LVPSVCSTEL HAALPGSHKT VMRQGGHACN VTDPDTFNAL LLNGLASLMH NPEPVFKESQ
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	29,190 Da
Sequence Positions	1-270, 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 A4W922
Species	Enterobacter sp. (strain 638)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rutD recombinant protein	MBS1218474 is a recombinant protein targeting rutD. Also known as Recombinant Enterobacter sp. Putative aminoacrylate hydrolase RutD (rutD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rutD 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 rutD. It may not necessarily be applicable to this product.

NCBI GI #	500913274
NCBI Accession #	WP_012016919.1
UniProt Primary Accession #	A4W922
GenBank Nucleotide #	WP_012016919.1
NCBI Official Full Name	aminoacrylate hydrolase
UniProt Protein Name	Putative aminoacrylate hydrolase RutD

UniProt Synonym Protein Names	Aminohydrolase
Protein Family	Putative aminoacrylate hydrolase
UniProt Gene Name	rutD
UniProt Comments for rutD	May increase the rate of spontaneous hydrolysis of aminoacrylate to malonic semialdehyde. Required to remove a toxic intermediate produce in the pyrimidine nitrogen degradation.
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