Carboxylate-Amine Ligase Reut_a3336 (Reut_a3336) (Reut_A3336) Cupriavidus Pinatubonensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carboxylate-amine ligase Reut_A3336 (Reut_A3336), Recombinant Protein
Full Product Name	Recombinant Cupriavidus pinatubonensis Carboxylate-amine ligase Reut_A3336 (Reut_A3336)
Product Gene Name	Reut_A3336 recombinant protein
Product Synonym Gene Name	Reut_A3336
Sequence	MSLEPFKHSE ALTFGVELEL QLVNRHDYDL APFAPDLLRA LKGAQHAGDI KPEISPSMIE ISTGICHTYQ QALDELTTMR DLMQAASRSL NIGISGGGTH PFQQWADRII SDSPRYQYIS ELYGYLAKQF TVFGQHVHIG CPSADESLFL LHAIGRYVPH FVALAASSPY VQGVDTGFAS ARLNSVAAFP MSGRAPFLLT WDAFTAYFEK MRNTGVIESM KDFYWDIRPK PEFGTIEVRV MDTPLTVERA CDIAAYIQML ARYLLLSRPF MPQEDDYLVY TFNRFQACRF GLEGEYVHPN ELTRRPIAEH ILSICDALVP HAEALGSMQA LANIRALAEN RNGDAEWLRQ VDADARTQRE TVRQACERWA A
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	41,804 Da
Sequence Positions	1-371, 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 Q46VZ0
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 Reut_A3336 recombinant protein	MBS1369418 is a recombinant protein targeting Reut_A3336. Also known as Recombinant Cupriavidus pinatubonensis Carboxylate-amine ligase Reut_A3336 (Reut_A3336). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Reut_A3336 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 Reut_A3336. It may not necessarily be applicable to this product.

NCBI GI #	499618729
NCBI Accession #	WP_011299463.1

UniProt Primary Accession #	Q46VZ0
GenBank Nucleotide #	WP_011299463.1
NCBI Official Full Name	glutamate--cysteine ligase
UniProt Protein Name	Putative glutamate--cysteine ligase 2
UniProt Synonym Protein Names	Gamma-glutamylcysteine synthetase 2
UniProt Gene Name	Reut_A3336
UniProt Synonym Gene Names	GCS 2; Gamma-GCS 2
UniProt Comments for Reut_A3336	ATP-dependent carboxylate-amine ligase which exhibits weak glutamate--cysteine ligase activity.
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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