Adenylosuccinate Synthetase (Nechadraft_40313) (NECHADRAFT_40313) Nectria Haematococca Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenylosuccinate synthetase (NECHADRAFT_40313), Recombinant Protein
Full Product Name	Recombinant Nectria haematococca Adenylosuccinate synthetase (NECHADRAFT_40313)
Product Gene Name	NECHADRAFT_40313 recombinant protein
Product Synonym Gene Name	NECHADRAFT_40313
Product Synonym Names	Adenylosuccinate synthetase; AMPSase; AdSS; EC=6.3.4.4; IMP--aspartate ligase
Sequence	MTITVVLGAQ WGDEGKGKLV DGQCRDAQLC ARAAGGHNAG HEVRVSFHLL PSGLINPKWF YHSMNFIGSG VVFHVPSFFS ELQELEDKGL VAVHDRILVS DRVNVLLDMH IAVDGLEERE LGGIGPCYQA SRARNGIKLT DVFHPELFEQ KVRRLADGYQ KRFGELFDYD IKAELARFDE YRETLKKYVV DGVSFMRSAQ QSDMKIVIEG ANALMLDIDY GSYPFVTSSS TTLAGIIGGL TLNPKNITEV VGVVKAYTTR VGSGAFKTED TEEIGTKLQE IGREWGTSTG RRRRSYTDLV VVKYSNSINY YDSLNLTKLD ILDTFETIKI AIAYKVDGEE LDSYPADLDI LERAEVVYHE MPGWQKPTTN AKTYYDLPKA AREYIEYIEK FVGVKVKYIG TGPDREAMIQ RA
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	46,203 Da
Sequence Positions	1-412aa; 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 C7Z193
Species	Nectria haematococca (strain 77-13-4 / MYA-4622 / FGSC 9596 / MPVI) (Fusarium solani subsp. pisi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NECHADRAFT_40313 recombinant protein	MBS1163073 is a recombinant protein targeting NECHADRAFT_40313. Also known as Recombinant Nectria haematococca Adenylosuccinate synthetase (NECHADRAFT_40313). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NECHADRAFT_40313 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 NECHADRAFT_40313. It may not necessarily be applicable to this product.

NCBI GI #	302899367

NCBI GeneID	9671848
NCBI Accession #	XP_003048036.1
UniProt Primary Accession #	C7Z193
UniProt Related Accession #	C7Z193
GenBank Nucleotide #	XM_003047990.1
NCBI Official Full Name	hypothetical protein NECHADRAFT_40313
NCBI Official Symbol	NECHADRAFT_40313
UniProt Protein Name	Adenylosuccinate synthetase
UniProt Synonym Protein Names	IMP--aspartate ligase
UniProt Gene Name	NECHADRAFT_40313
UniProt Synonym Gene Names	AMPSase; AdSS
UniProt Entry Name	PURA_NECH7
NCBI Protein Information	hypothetical protein
UniProt Comments for NECHADRAFT_40313	Plays an important role in the de novo pathway and in the salvage pathway of purine nucleotide biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP ().
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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