Asparagine--Trna Ligase (asnS) Geobacter Metallireducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Asparagine--tRNA ligase (asnS), Recombinant Protein
Full Product Name	Recombinant Geobacter metallireducens Asparagine--tRNA ligase (asnS)
Product Gene Name	asnS recombinant protein
Product Synonym Gene Name	asnS
Sequence	MSARIRIRNA LAGEGLGNEI MVKGWVRTIR TGKEVAFLAL NDGSCFANLQ VVAEPGLATF ADVCAIGTGA AVAVRGRLVD SPASGQCYEL HADEVAVIGL ADESYPLQKK RHSFEYLRSI AHLRPRSNTF GAVFRVRSSV AQAVHRFFAE RGFLYVHTPI ITTSDCEGAG EMFRVTTLDP AAPPLLEGEV DFSRDFFAAQ AGLTVSGQLE GELFAQAFSD IYTFGPTFRA ENSNTPRHAA EFWMIEPEMA FADLMADAAL AEEFFRYLCR HVLDACGEDM AFFNDHIDKG LIARVEQVAN SSFAIMEYGE AIERLKKATV TFEYPVEWGL DLQTEHERYL TEQVVGGPVF VINYPKHIKA FYMRVNDDNK TVAAMDLLVP KVGEIIGGSQ REERLPVLEG RMAEVGVNPE GLWWYLDSRR WGSTPHAGFG LGFERLIMYL TGMENIRDVI PFPRTPRHAE F
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	51,327 Da
Sequence Positions	1-461, 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 Q39SY7
Species	Geobacter metallireducens (strain GS-15 / 53774 / DSM 7210)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for asnS recombinant protein	MBS1380037 is a recombinant protein targeting asnS. Also known as Recombinant Geobacter metallireducens Asparagine--tRNA ligase (asnS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of asnS 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 asnS. It may not necessarily be applicable to this product.

NCBI GI #	490647493
NCBI Accession #	WP_004512488.1
UniProt Primary Accession #	Q39SY7
GenBank Nucleotide #	WP_004512488.1

NCBI Official Full Name	asparagine--tRNA ligase
UniProt Protein Name	Asparagine--tRNA ligase
UniProt Synonym Protein Names	Asparaginyl-tRNA synthetase
Protein Family	Asparagine--tRNA ligase
UniProt Gene Name	asnS
UniProt Synonym Gene Names	AsnRS
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