Energy-Coupling Factor Transporter ATP-Binding Protein Ecfa 1 (ecfA1) Streptococcus Pyogenes Serotype M18 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Energy-coupling factor transporter ATP-binding protein EcfA 1 (ecfA1), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M18 Energy-coupling factor transporter ATP-binding protein EcfA 1 (ecfA1)
Product Gene Name	ecfA1 recombinant protein
Product Synonym Gene Name	ecfA1
Sequence	MSINLQNVSY TYQAGTPFEG RALFNINLDI LDGSYTAFIG HTGSGKSTIM QLLNGLHVPT TGIVSVDKQD ITNHSKNKEI KSIRKHVGLV FQFPESQLFE ETVLKDVAFG PQNFGVSPEE AEALAREKLA LVGISENLFE KNPFELSGGQ MRRVAIAGIL AMQPKVLVLD EPTAGLDPKG RKELMTIFKK LHQSGMTIVL VTHLMDDVAN YADFVYVLDK GKIILSGKPK TIFQQVSLLE KKQLGVPKVT KLAQRLVDRG IPISSLPITL EELREVLKHG
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	30,863 Da
Sequence Positions	1-280, 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 Q7CMM8
Species	Streptococcus pyogenes serotype M18
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ecfA1 recombinant protein	MBS1396329 is a recombinant protein targeting ecfA1. Also known as Recombinant Streptococcus pyogenes serotype M18 Energy-coupling factor transporter ATP-binding protein EcfA 1 (ecfA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ecfA1 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 ecfA1. It may not necessarily be applicable to this product.

NCBI GI #	489072107
NCBI Accession #	WP_002982066.1
UniProt Primary Accession #	Q7CMM8

GenBank Nucleotide #	WP_002982066.1
NCBI Official Full Name	energy-coupling factor transporter ATPase
UniProt Protein Name	Energy-coupling factor transporter ATP-binding protein EcfA2
UniProt Gene Name	ecfA2
UniProt Synonym Gene Names	ECF transporter A component EcfA2
UniProt Comments for ecfA1	ATP-binding (A) component of a common energy-coupling factor (ECF) ABC-transporter complex. Unlike classic ABC transporters this ECF transporter provides the energy necessary to transport a number of different substrates.
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