ATP-Dependent (S)-NAD (P)h-Hydrate Dehydratase (AND_21715) Anopheles Darlingi Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATP-dependent (S)-NAD (P)H-hydrate dehydratase (AND_21715), Recombinant Protein
Full Product Name	Recombinant Anopheles darlingi ATP-dependent (S)-NAD (P)H-hydrate dehydratase
Product Gene Name	AND_21715 recombinant protein
Sequence	MSSENKSPLL ERARNLVPHL ETERHKGQAG RIGIVGGSLE YTGAPYFAAI SALKVGADLV HVFCPQAAAQ VIKGYSPELI VHPLLDSNNA IIQIEPWLER LHVLVIGPGL GRDRLILQTV AELIRICRQL QKPLIIDADG LFLITQDIGL VKDYYGVILT PNAIEFCRLF GKDRDQTMAS LGRLGAGVTV IEKGLNDRIY DSLTSEKYEC PQGGSGRRCG GQGDLLAGAL ATFYYWALES KQEISPAMVA CFAASTLTKT CNKYAFKAKG RSMTCSDMID QIHQVFDDLF EHKKD
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	32,397 Da
Sequence Positions	1-295, 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 E3XDZ8
Species	Anopheles darlingi (Mosquito)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AND_21715 recombinant protein	MBS1257852 is a recombinant protein targeting AND_21715. Also known as Recombinant Anopheles darlingi ATP-dependent (S)-NAD (P)H-hydrate dehydratase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AND_21715 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 AND_21715. It may not necessarily be applicable to this product.

NCBI GI #	380877004
NCBI Accession #	E3XDZ8.1
UniProt Primary Accession #	E3XDZ8
UniProt Secondary Accession #	W5JB86

NCBI Official Full Name	ATP-dependent (S)-NAD(P)H-hydrate dehydratase
UniProt Protein Name	ATP-dependent (S)-NAD(P)H-hydrate dehydratase
UniProt Synonym Protein Names	ATP-dependent NAD(P)HX dehydratase
Protein Family	ATP-dependent
UniProt Gene Name	AND_008360
UniProt Comments for AND_21715	Catalyzes the dehydration of the S-form of NAD(P)HX at the expense of ATP, which is converted to ADP. Together with NAD(P)HX epimerase, which catalyzes the epimerization of the S- and R-forms, the enzyme allows the repair of both epimers of NAD(P)HX, a damaged form of NAD(P)H that is a result of enzymatic or heat-dependent hydration.
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