Protein Nirf (nirF) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein nirF (nirF), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Protein nirF (nirF)
Product Gene Name	nirF recombinant protein
Product Synonym Gene Name	nirF
Sequence	MNLRPLAPLL LTLLAGCSQQ PPLRGSGDLG VLIERADGSV QILDGTAKTS LARVEGLGDL SHASLVFSRD QRYAYVFGRD GGLTKLDLLA QRIDKRLIQG GNSIGGAISQ DGRLVAVSNY EPGGVKVFDS RTLELVAEIP ATRLPGQDRN SRVVGLVDAP GQRFVFSLFD SGEIWIADFS QGDTPHLTRF RDIGKQPYDA LISPDGRYYM AGLFGEDGMA QLDLWHPERG VRRVLGDYGR GQRKLPVYKM PHLEGWTIAS DQAFVPAVGH HQVLVLDARD WKQTDAIDVA GQPVFVMTRP DDRQIWVNFA YPDNDKVQVI DSETHEVIET LRPGPGVLHM EFSGRGDQVW ISVRDADQLQ VWDPYRLKRI GSLPARSPSG IFFSHRAQHI GL
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	43,338 Da
Sequence Positions	1-392, 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 Q51480
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nirF recombinant protein	MBS1437191 is a recombinant protein targeting nirF. Also known as Recombinant Pseudomonas aeruginosa Protein nirF (nirF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nirF 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 nirF. It may not necessarily be applicable to this product.

NCBI GI #	15595713
NCBI GeneID	882198
NCBI Accession #	NP_249207.1
UniProt Primary Accession #	Q51480

UniProt Related Accession #	Q51480
GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	heme d1 biosynthesis protein NirF
NCBI Official Symbol	nirF
UniProt Protein Name	Protein NirF
Protein Family	Protein
UniProt Gene Name	nirF
NCBI Protein Information	heme d1 biosynthesis protein NirF
UniProt Comments for nirF	Required for the biosynthesis of heme d1 of nitrite reductase. Could have a dehydrogenase activity yielding sirohydrochlorin from precorrin-2 or dehydrogenation of propionate side chain C17.
Research Articles on nirF	**1.** NirS interacts with the potential haem d1 insertion protein NirN in vivo. This NirS-NirN interaction is dependent on the presence of the putative haem d1 biosynthesis enzyme NirF.
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