Anaerobic Nitric Oxide Reductase Flavorubredoxin (norV) Salmonella Paratyphi A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Anaerobic nitric oxide reductase flavorubredoxin (norV), Recombinant Protein
Full Product Name	Recombinant Salmonella paratyphi A Anaerobic nitric oxide reductase flavorubredoxin (norV)
Product Gene Name	norV recombinant protein
Product Synonym Gene Name	norV
Sequence	MSILVKNNIH WVGQRDWEVR DFHGTEYKTL RGSSYNSYLI REEKNVLIDT VDHKFSREFV QNLRSEIDLA DIDYIIINHA EEDHAGALTE LMAQIPDTPI YCTANAIDSI NGHHHHPEWN FKVVKTGDTL DIGNGKQLIF VETPMLHWPD SMMTYMTGDA VLFSNDAFGQ HYCDERLFND EVDQTELFEQ CQRYYANILT PFSRLVTPKI TEILGFNLPV DMIATSHGVV WRDNPTQIVE LYLKWTADYQ EDRITIFYDT MSNNTRMMAD AIAQGINEVD PNVAVKIFNV ARSDKNEILT NVFRSKGVLV GTSTMNNVMM PKIAGLVEEM TGLRFRNKRA SAFGSHGWSG GAVDRLSTRL QDAGFEMSLS LKAKWRPDLD ALELCRQHGR DIARQWALAP LPETTQKTAP AEEITTCAAA DLGPKMQCSV CQWIYDPALG EPLQDVAPGT PWSEVPDNFL CPECSLGKDV FDVLATEAK
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	54,164 Da
Sequence Positions	1-479, Full length
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 Q5PF19
Species	Salmonella paratyphi A (strain 9150 / SARB42)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for norV recombinant protein	MBS1367620 is a recombinant protein targeting norV. Also known as Recombinant Salmonella paratyphi A Anaerobic nitric oxide reductase flavorubredoxin (norV). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of norV 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 norV. It may not necessarily be applicable to this product.

NCBI GI #	445948161
NCBI Accession #	WP_000026016.1
UniProt Primary Accession #	Q5PF19

GenBank Nucleotide #	WP_000026016.1
NCBI Official Full Name	anaerobic nitric oxide reductase flavorubredoxin
UniProt Protein Name	Anaerobic nitric oxide reductase flavorubredoxin
Protein Family	Anaerobic nitric oxide reductase flavorubredoxin
UniProt Gene Name	norV
UniProt Synonym Gene Names	FlRd; FlavoRb
UniProt Comments for norV	Anaerobic nitric oxide reductase; uses NADH to detoxify nitric oxide (NO), protecting several 4Fe-4S NO-sensitive enzymes. Has at least 2 reductase partners, only one of which (NorW, flavorubredoxin reductase) has been identified. NO probably binds to the di-iron center; electrons enter from the NorW at rubredoxin and are transferred sequentially to the FMN center and the di-iron center. Also able to function as an aerobic oxygen reductase.
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