Nucleoredoxin (NXN) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nucleoredoxin (Nxn), Recombinant Protein
Full Product Name	Recombinant Mouse Nucleoredoxin (Nxn)
Product Gene Name	Nxn recombinant protein
Sequence	SGFLEELLGD KLVTGGGEEV DVHSLGARGI ALLGLYFGCS LSAPCAQLSA SLAAFYGRLR GDAAAGPGAG AGAGAAAEPE PRHRLEIVFV SSDQDQRQWQ DFVRDMPWLA LPYKEKHRKL KLWNKYRVSN IPSLIFLDAT TGKVVCRNGL LVIRDDPEGL EFPWGPKPFR EVIAGPLLRN NGQSLESSSL EGSHVGVYFS AHWCPPCRSL TRVLVESYRK IKEAGQEFEI IFVSADRSEE SFKQYFSEMP WLAVPYTDEA RRSRLNRLYG IQGIPTLIVL DPQGEVITRQ GRVEVLNDED CREFPWHPKP VLELSDSNAV QLNEGPCLVL FVDSEDDGES EAAKQLIQPI AEKIIAKYKA KEEEAPLLFF VAGEDDMTDS LRDYTNLPEA APLLTILDMS ARAKYVMDVE EITPAIVETF VNDFLAEKLK PEPI
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	43,284 Da
Sequence Positions	2-435, 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 P97346
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Nxn recombinant protein	MBS717989 is a recombinant protein targeting Nxn. Also known as Recombinant Mouse Nucleoredoxin (Nxn). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Nxn 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 Nxn. It may not necessarily be applicable to this product.

NCBI GI #	6679160
NCBI GeneID	18230
NCBI Accession #	NP_032776.1
UniProt Primary Accession #	P97346
UniProt Secondary Accession #	Q5H8T6; Q5H8U0; Q99KF3

UniProt Related Accession #	P97346
GenBank Nucleotide #	NM_008750.5
NCBI Official Full Name	nucleoredoxin
NCBI Official Synonym Full Names	nucleoredoxin
NCBI Official Symbol	Nxn
NCBI Official Synonym Symbols	l11Jus13
UniProt Protein Name	Nucleoredoxin
UniProt Synonym Protein Names	Protein Red-1
Protein Family	Nucleoredoxin
UniProt Gene Name	Nxn
UniProt Synonym Gene Names	Gn25
NCBI Protein Information	nucleoredoxin
UniProt Comments for Nxn	Functions as a redox-dependent negative regulator of the Wnt signaling pathway, possibly by preventing ubiquitination of DVL3 by the BCR(KLHL12) complex. May also function as a transcriptional regulator act as a regulator of protein phosphatase 2A (PP2A).
Research Articles on Nxn	**1.** These results reveal a novel role of NRX in the regulation of PFK1 activity and in the balance between glycolysis and the pentose phosphate pathway.
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