Oxygen Regulatory Protein Nrec (nreC) Staphylococcus Carnosus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Oxygen regulatory protein nreC (nreC), Recombinant Protein
Full Product Name	Recombinant Staphylococcus carnosus Oxygen regulatory protein nreC (nreC)
Product Gene Name	nreC recombinant protein
Product Synonym Gene Name	nreC
Sequence	MKIVIADDHA VVRTGFSMIL NFQDDMEVVD TAADGVEAYQ KVMQHQPDVL IMDLSMPPGE SGLIATSKIV ESFPDTKILI LTMYDDEEYL FHVLRNGAKG YILKNAPDEQ LISAVRTVYR GDTYIDPKMT TSLVNEFVNN TGQDANSTND PFRILSKREL EILPLIAKGY GNKEIAEKLF VSVKTVEAHK THIMQKLNLK SKPELVEYAL KKKLLDF
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	24,467 Da
Sequence Positions	1-217, 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 Q7WZY4
Species	Staphylococcus carnosus (strain TM300)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nreC recombinant protein	MBS1418878 is a recombinant protein targeting nreC. Also known as Recombinant Staphylococcus carnosus Oxygen regulatory protein nreC (nreC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nreC 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 nreC. It may not necessarily be applicable to this product.

NCBI GI #	506381411
NCBI Accession #	WP_015901130.1
UniProt Primary Accession #	Q7WZY4
UniProt Secondary Accession #	Q9ZB65; B9DL89
GenBank Nucleotide #	WP_015901130.1
NCBI Official Full Name	DNA-binding response regulator

UniProt Protein Name	Oxygen regulatory protein NreC
UniProt Synonym Protein Names	Nitrogen regulation protein C
Protein Family	Oxygen regulatory protein
UniProt Gene Name	nreC
UniProt Comments for nreC	Member of the two-component regulatory system NreB/NreC involved in the control of dissimilatory nitrate/nitrite reduction in response to oxygen. Phosphorylated NreC binds to a GC-rich palindromic sequence at the promoters of the nitrate (narGHJI) and nitrite (nir) reductase operons, as well as the putative nitrate transporter gene narT, and activates their expression.
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