Ribonucleoside-Diphosphate Reductase Nrdeb Subunit Alpha (bnrdE) Bacillus Phage Spbeta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonucleoside-diphosphate reductase nrdEB subunit alpha (bnrdE), Recombinant Protein
Full Product Name	Recombinant Bacillus phage SPbeta Ribonucleoside-diphosphate reductase nrdEB subunit alpha (bnrdE)
Product Gene Name	bnrdE recombinant protein
Sequence	MTNTIPNWIK LNNEIMIQKD GKYQFEKDKE AVHSYFVDYI NQNTVFFHDL KEKLDYLIKN DYYEEEFLSK YTFEQIKSIY KIAYSYKFRF PSFMSAFKFY NDYALKTNDK TKILERYEDR VSIVALYCAD GDYEKAVEEV HTMMKQEYQP ATPTFLNAGR KRRGEMVSCF LLEVGDSLND ISRAIDISMQ LSKLGGGVAL NLNKLRAKGE AIKDVENATK GVVGVMKLLD NAFRYADQMG QRQGSGAVYL SVFHPDITDF LDTKKISADE DVRVKTLSIG VVVPDKFIEL AREDKDYYMF YPHSVYKEYG QYLDELDINE MYDELVENPR VRKAKGNARK LLEQLAILRS ESGYPYIMFA DNVNKVHPNE HISKVKFSNL
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	124,621 Da
Sequence Positions	1-380, 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 O64173
Species	Bacillus phage SPbeta (Bacillus phage SPBc2) (Bacteriophage SP-beta)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bnrdE recombinant protein	MBS1129183 is a recombinant protein targeting bnrdE. Also known as Recombinant Bacillus phage SPbeta Ribonucleoside-diphosphate reductase nrdEB subunit alpha (bnrdE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bnrdE 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 bnrdE. It may not necessarily be applicable to this product.

NCBI GI #	9630286
NCBI GeneID	1261459
NCBI Accession #	NP_046713.1
UniProt Primary Accession #	O64173

UniProt Related Accession #	O64173
GenBank Nucleotide #	NC_001884.1
NCBI Official Full Name	ribunucleotide reductase large subunit
NCBI Official Symbol	bnrdE
UniProt Protein Name	Ribonucleoside-diphosphate reductase nrdEB subunit alpha
UniProt Synonym Protein Names	Ribonucleotide reductase large subunit
UniProt Gene Name	bnrdE
NCBI Protein Information	ribunucleotide reductase large subunit
UniProt Comments for bnrdE	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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