



Recombinant Escherichia coli Ribonucleoside-diphosphate reductase 1 subunit alpha (nrdA)

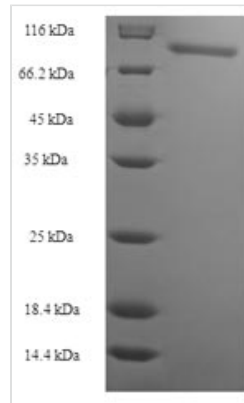
Product Code	CSB-EP355522ENV
Relevance	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. R1 contains the binding sites for both substrates and allosteric effectors and carries out the actual reduction of the ribonucleotide. It also provides redox-active cysteines.
Abbreviation	Recombinant E.coli nrdA protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P00452
Alias	Protein B1Ribonucleoside-diphosphate reductase 1 R1 subunitRibonucleotide reductase 1
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MNQNLLVTKRDGSTERINLDKIHRVLDWAAEGLHNVSISQVELRSHIQFYDGIK TSDIHETIIKAAADLISRDAPDYQYLAARLAIFHLRKKAYGQFEPPALYDHVVKM VEMGKYDNHLLDYTEEEFKQMDTFIDHDRDMTFSYAAVKQLEGKYLQNRV TGEIYESAQFLYILVAACLF SNYPRETRLQYVKRFYDAVSTFKISLPTPIMSGVR TPTRQFSSCVLIECGDSLDSINATSSAIVKYVSQRAGIGINAGRIRALGSPIRGG EAFHTGCIPFYKHFQTAVKSCSQGGVIRGGAATLFYPMWHLEVESLLVLKNNR GVEGNRVRHMDYGVQINKLMYTRLLKGEDITLFSPSDVPGLYDAFFADQEEFE RLYTKYEKDDSIKQVRKAVELFSLMMQERASTGRIYIQNV DHCNTHSPFDPAI APVRQSNLCLEIALPTKPLNDVNDENGEIALCTLSAFNLGAINNLDELEELAILAV RALDALLDYQDYPIPAAKRGAMGRRTLIGIGVINFAYYLAKHGKRYSDGSANNL THKTFEAIQYYLLKASNELAKEQGACPWFNETTYAKGILPIDTYKKDLDTIANEP LHYDWEALRESIKTHGLRNSTLSALMPSETSSQISNATNGIEPPRGYVSIKASK DGILRQVVPDYEHLHDAYELLWEMPGNDGYLQLVGIMQKFIDQSISANTNYDP SRFPSGKVPMMQQLLDLLTAYKFGVKTLYYQNTRDGAEDAQDDLVPISIQDDG CESGACKI
Research Area	Others
Source	E.coli
Target Names	nrdA
Expression Region	1-761aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	101.8kDa
Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
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Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
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