

Recombinant Escherichia coli NRDA Protein (1-761 aa), His-SUMO-tagged

Cat. No. NRDA-933E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) NRDA Protein (1-761 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	E.coli
ProteinLength	1-761 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	101.8 kDa
AA Sequence	MNQNLLVTKRDGSTERINLDKIHRLVDWAAEGLHNVSISQVELRSHIQFYDGIKTSDI HETIIKAAADLISRDPDYQYLAARLAIFHLRKKAYGQFEPPALYDHVVKMVEMGKYD NHLLDYTEEEFKQMDTFIDHDRDMTFSYAAVKQLEGKYLQNRVTGEIYESAQFLY ILVAACLFSNYPRETRLQYVKRFYDAVSTFKISLPTPIMSGVRTPTRQFSSCVLIECGD SLDSINATSSAIVKYVSQRAGIGINAGRIRALGSPIRGGGEAFHTGCIPFYKHFQTAVKS

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CSQGGVRGGAATLFYPMWHLEVESLLVLKNNRGVEGNRVRHMDYGVQINKLMYTR
 LLKGEDITLFSPSDVPGLYDAFFADQEEFERLYTKYEKDDSIKQKRVKAVELFSLMM
 QERASTGRIYIQNVDCNTHSPFDPAIAPVRQSNLCLEIALPTKPLNDVNDENGEIAL
 CTLSAFNLGAINNLDELEELAILAVRALDALLDYQDYPIPAAKRGAMGRRTLIGIGVIN
 AYYLAKHKGKRYSDGSANNLTHKTFEAIQYYLLKASNELAKEQGACPWNETTYAKGI
 LPIDTYKKDLDTIANEPLHYDWEALRESIKTHGLRNSTLSALMPSETSSQISNATNGIE
 PPRGYVSIKASKDGILRQVVPDYEHLHDAYELLWEMPGNDGYLQLVGIMQKFIDQSI
 SANTNYDPSRFPSPGKVPMPQQLKDLLTAYKFGVKTLYYQNTRDGAEDAQDDLPSI
 QDDGCESGACKI

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

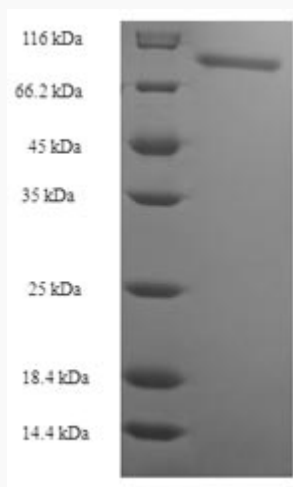
GENE INFORMATION

UniProt ID [P00452](#)

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

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