

Recombinant Escherichia coli NRDB Protein (2-376 aa), His-tagged

Cat. No. NRDB-1561E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) NRDB Protein (2-376 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	Yeast
ProteinLength	2-376 aa
Description	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. R2 contains the tyrosyl radical required for catalysis.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	45.4 kDa
AA Sequence	AYTTFSTKNDQLKEPMFFGQPVNVARYDQQKYDIFEKLIKQLSFFWRPEEVDVS RDRIDYQALPEHEKHIFISNLKYQTLDSIQGRSPNVALLPLISIPELETWVETWAFSET IHSRSYTHIIRNIVNDPSVVFDDIVTNEQIQKRAEGISSYYDELIEMTSYWHLLGEGTHT VNGKTVTVSLRELKKKLYLCLMSVNALEAIRFYVSFACSFAPAERELMEGNAKIIRLIA RDEALHLTGTQHMLNLLRSGADDPMAEIAEECKQECYDLFVQAAQKEKDWADYL FRDGSMIGLNKDILCQYVEYITNIRMQAVGLDLPFQTRSNPIPWINTWLVSNDNVQVAP

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	QEVEVSSYLVGQIDSEVDTDDLSNFQL
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 reconstitution instruction is sent along with the products.

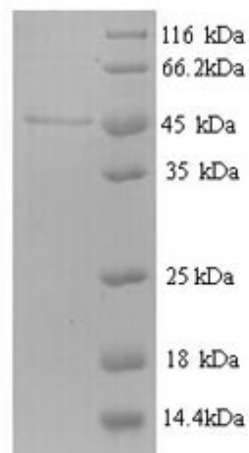
GENE INFORMATION

Gene Name	nrdB ribonucleoside-diphosphate reductase 1 subunit beta [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	NRDB
Synonyms	ECK2227; ftsB;
Gene ID	946732
Protein Refseq	NP_416738
UniProt ID	P69924

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

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