

Recombinant E.coli Transcription Termination/antitermination L Factor

Cat. No. NusA-391E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant NusA was expressed in E.coli and purified by using conventional chromatography techniques, 54 kDa (495 aa).
Species	E.coli
Source	E.coli
Description	NusA is a key component in both Prevention and enhancement of transcriptional termination. It is important in both Rho-dependent and intrinsic termination, as well as in lambda and other phage antitermination systems. The gene was first identified by isolation of the nusA mutation, which restricts bacteriophage I growth by preventing the antitermination activity of the I N protein. NusA is involved in transcriptional antitermination in the cell. It has been shown to specifically aid in read-through of the RNA polymerase genes rpoB and rpoC, as well as in successful synthesis of the ribosomal RNA genes.
Sequences of amino acids	MNKEILAVVE AVSNEKALPR EKIFEALES LATATKKKYE QEIDVRVQID RKSGDFDTFR RWLVVDEVTQ PTKEITLEAA RYEDESLNLG DYVEDQIESV TFDRITTQTA KQVIVQKVRE AERAMVVDQF REHEGEIITG VVKKVNDRNI SLDLGNNAEA VILREDMLPR ENFRPGDRVR GVLYSVRPEA RGAQLFVTRS KPEMLIELFR IEVPEIGEEV IEIKAAARDP GSKAKIAVKT NDKRIDPVGA CVGMRGARVQ AVSTELGGER IDIVLWDDNP AQFVINAMAP ADVASIVVDE DKHTMDIAVE AGNLAQAIGR NGQNVRLASQ LSGWELNVMT VDDLQAKHQQA

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EAHAAIDTFT KYLDIDEDFA TVLVEEGFST LEELAYVPMK ELLEIEGLDE
PTVEALRERA KNALATIAQA QEESLGDNKP ADDLLNLEGV DRDLAFKLAA
RGVCTLEDLA EQGIDDLADI EGLTDEKAGA LIMAARNICW FGDEA

Formulation Liquid. In Phosphate Buffered Saline (pH 7.4)

Purity > 95% by SDS - PAGE

Concentration 1 mg/ml (determined by Bradford assay)

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [nusA transcription termination/antitermination L factor \[Escherichia coli str. K-12 substr. MG1655 \]](#)

Synonyms ECK3158; JW3138; nusA; transcription termination/antitermination L factor; transcription pausing; L factor

Gene ID [947682](#)

Protein Refseq [NP_417638](#)

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