

Product datasheet for **AR09992PU-L**

Endonuclease III / nth (1-211, His-tag) Escherichia coli Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Endonuclease III / nth (1-211, His-tag) e. coli recombinant protein, 0.25 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SGLVPRGSH</u> MNKAKRLEIL TRLRENNPHP TTELNFSSPF ELLIAVLLSA QATDVSVNKA TAKLYPVANT PAAMLELGVE GVKTYIKTIG LYNKAENII KTCRILLEQH NGEVPEDRAA LEALPGVGRK TANVVLNTAF GWPTIAVDTH IFRVCNRTQF APGKNVEQVE EKLLKVPAE FKVDCHHWLI LHGRYTCIAR KPRCGSCII E DLCEYKEKVD I
Tag:	His-tag
Predicted MW:	25.7 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl, 1 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coli nth protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	Nth, also known as Endonuclease III, has an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. This enzyme incises damaged DNA at cytosines, thymines and guanines. Nth acts on a damaged strand, 5' from the damaged site. This enzyme is required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.



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Product images:

