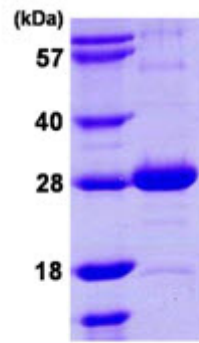


AR09992PU-N**E. coli Endonuclease III / nth (1-211, His-tag) - Purified**

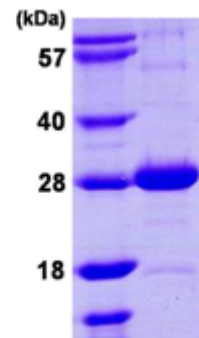
Alternate names:	DNA-(apurinic or apyrimidinic site) lyase, JW1625, b1633
Quantity:	50 µg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	Nth, also known as Endonuclease III, has an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. This enzyme incises 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.
Uniprot ID:	P0AB83
NCBI:	AP_002255
GeneID:	947122
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF
Description:	Recombinant E.coli nth protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MGSSHHHHHH SSGLVPRGSH</u> MNKAKRLEIL TRLRENNPHP TTELNFSPP ELLIAVLLSA QATDVSVNKA TAKLYPVANT PAAMLELGVE GVKTYIKTIG LYNKAENII KTCRILLEQH NGEVPEDRAA LEALPGVGRK TANVVLNTAF GWPTIAVDTH IFRVCNRTQF APGKNVEQVE EKLLKVVPAE FKVDCHHWLI LHGRYTCIAR KPRCGSCIE DLCEYKEKVD I Molecular weight: 25.7 kDa (231aa) confirmed by MALDI-TOF
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. Shelf life: one year from despatch.

Pictures:

Recombinant E.coli nth, 1-211aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)