

Endonuclease-III E.Coli Recombinant

Item Number	rAP-1067
Synonyms	DNA-(apurinic or apyrimidinic site) lyase, b1633, JW1625.
Description	NTH E.Coli Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 231 amino acids (1-211a.a.) and having a molecular mass of 25.7kDa. The NTH is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P0AB83
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MNKAKRLEIL TRLRENNPHP TTELNFSSPF ELLIAVLLSA QATDVSVNKA TAKLYPVANT PAAMLELGVE GVKTYIKTIG LYNSKAENII KTCRILLEQH NGEVPEDRAA LEALPGVGRK TANVVLNTAF GWPTIAVDTH IFRVCNRTQF APGKNVEQVE EKLLKVVPAE FKVDCHHWLI LHGRYTICIAR KPRCGSCIIE DLCEYKEKVD I.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The NTH solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT, 0.1mM PMSF and 40% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**