

nth Endonuclease III-Like 1 Recombinant Protein | NTHL1 recombinant protein

Recombinant Human nth Endonuclease III-Like 1

CATALOG # AAA38974	HOST E Coli
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PRODUCT SYNONYMS

nth Endonuclease III-Like 1; Recombinant Human nth Endonuclease III-Like 1; NTHL1 Human; Nth Endonuclease III-Like 1 Human Recombinant; Endonuclease III-like protein 1; NTHL1; NTH1; OCTS3; NTHL1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 80.0% as determined by SDS-PAGE.
Form/Format	NTHL1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMCS PQESGMTALS ARMLTRSRL GPGAGPRGCR EEPGPLRRRE AAAEARKSHS PVKRPRKAQR LRVAYEGSDS EKGEAEPLK VPVWEPQDWQ QQLVNIRAMR NKKDAPVDHL GTEHCYDSSA PPKVRRYQVL LSLMLSSQTK DQVTAGAMQR LRARGLTVDS ILQTDDATLG KLIYPVGFWR SKVKYIKQTS AILQQHYGGD IPASVAELVA LPGVGPKMAH LAMAVAWGTV SGIAVDTHVH RIANRLRWTK KATKSPEETR AALEEWLPRE LWHEINGLLV GFGQQTCLPV HPRCHACLNQ ALCPAAQGL
Sequence Length	312
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for NTHL1 recombinant protein	Description: NTHL1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 332 amino acids (1-312 a.a.) and having a molecular mass of 36.6kDa. NTHL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Nth endonuclease III-like protein 1 (NTHL1) is one of the enzymes which act on a large number of oxidatively damaged DNA sites. NTHL1 has an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. NTHL1 acts on a damaged strand, 5' from the damaged site and incises damaged DNA at cytosines, thymines and guanines.
Product Categories/Family for NTHL1 recombinant protein	Enzymes; Endonuclease

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505471
NCBI GeneID	4913
NCBI Accession #	NP_002519.1
NCBI GenBank Nucleotide #	NM_002528.5
UniProt Accession #	P78549; Q1MVR1; Q99566; Q99794; Q9BPX2

Molecular Weight	32,839 Da
NCBI Official Full Name	endonuclease III-like protein 1
NCBI Official Synonym Full Names	nth endonuclease III-like 1 (E. coli)
NCBI Official Symbol	NTHL1
NCBI Official Synonym Symbols	NTH1; OCTS3; hNTH1
NCBI Protein Information	endonuclease III-like protein 1; DNA glycosylase/AP lyase; NTHL1; bifunctional DNA N-glycosylase/DNA-(apurinic or apyrimidinic site) lyase
UniProt Protein Name	Endonuclease III-like protein 1
UniProt Gene Name	NTHL1
UniProt Synonym Gene Names	hNTH1
UniProt Entry Name	NTH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nthl1-recombinant-protein-e-coli/38974>