

32-2618: NTHL1 Recombinant Protein

Alternative Name : Endonuclease III-like protein 1,NTHL1,NTH1,OCTS3.

Description

Source : Escherichia Coli. 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. 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 Info

Amount :	10 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	NTHL1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MCSPQESGMT ALSARMLTRS RSLGPGAGPR GCREEPGPLR RREAAAEARK SHSPVKRPRK AQRLRVAYEG SDSEKGEAE PLKVPVWEPQ DWQQQLVNIR AMRNKKDAPV DHLGTEHCYD SSAPPKVRRY QVLLSLMLSS QTKDQVTAGA MQLRARGLT VDSILQTDDA TLGKLIYPVG FWRSKVKYIK QTSAILQOHY GGDIPASVAE LVALPGVGPK MAHLAMAVAW GTVSGIAVDT HVHRIANRLR WTKKATKSPE ETRAALAEWL PRELWHEING LLVGFQQQC LPVHPRCHAC LNQALCPAAQ GL.