

NTHL1, 1-312aa, Human, His tag, E.coli

Cat.NO.: TP03214

3th Edition

Synonyms:Endonuclease III-like protein 1, NTH1, OCTS3.

Description:NTHL1, also known as nth endonuclease III-like protein 1, is one of the enzyme that has been shown to act on a large number of oxidatively damaged DNA sites. It has an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. It acts on a damaged strand, 5' from the damaged site and incises damaged DNA at cytosines, thymines and guanines.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

Molecular Weight:36.6 kDa (332aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMCSPQESGMTALSARMLTRSRLGPGAGPRGCREEPGPLRRREAAA EARKSHS
PVKRPRKAQRLRVAYEGSDSEKGEAEPLKVPVWEPQDWQQQLVNIRAMRNKKDAPVDHLGTEHCYDSSAPPK
VRRYQVLLSLMLSSQTKDQVTAGAMQRLRARGLTVDSILQTDATLGKLIYPVGFWR SKV/KYIKQTSAILQQHYGG
DIPASVAELVALPGVGPMAHLAMAVAWGTVSGIAVDTHVHRIANRLRWTKKATKSPEETRAALEEWLPRELWHEI
NGLLVGFGQQTCLPVHPRCHA CLNQALCPAAQGL

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.