

Product datasheet for **SC303213**

NTH1 (NTHL1) (NM_002528) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NTH1 (NTHL1) (NM_002528) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTH1
Synonyms:	FAP3; hNTH1; NTH1; OCTS3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002528 edited GGGATGTGTAGTCCGCAGGAGTCCGGCATGACCGCCTTGAGCGGAGGATGCTGACCCGG AGCCGGAGCCTGGGACCCGGGGCTGGCCGCGGGGGTGTAGGGAGGAGCCCGGGCCTCTC CGGAGAAGAGAGGCTGCAGCAGAAGCGAGGAAAAGCCACAGCCCGTGAAGCGTCCGCGG AAAGCACAGAGACTGCGTGTGGCCTATGAGGGCTCGGACAGTGAGAAAGGTGAGGGGGCT GAGCCCTCAAGGTGCCAGTCTGGGAGCCCAAGGACTGGCAGCAACAGCTGGTCAACATC CGTGCCATGAGGAACAAAAGGATGCACCTGTGGACCATCTGGGGACTGAGCACTGCTAT GACTCCAGTGCCCCCAAAGGTACGCAGGTACCAGGTGCTGCTGCTCACTGATGCTCTCC AGCCAAACCAAAGACCAGGTGACGGCGGGCGCCATGCAGCGACTGCGGGCGGGGGCCTG ACGGTGGACAGCATCCTGCAGACAGATGATGCCACGCTGGGCAAGCTCATCTACCCCGTC GGTTTCTGGAGGAGCAAGGTGAAATACATCAAGCAGACCAGGCCATCCTGCAGCAGCAC TACGGTGGGACATCCCAGCCTCTGTGGCCGAGCTGGTGGCGCTGCCGGGTGTTGGGCC AAGATGGCACACCTGGCTATGGCTGTGGCTGGGGCACTGTGTCAGGCATTGCAGTGGAC ACGCATGTGCACAGAATCGCCAACAGGCTGAGGTGGACCAAGAAGGCAACCAAGTCCCCA GAGGAGACCCGCGCCGCTGGAGGAGTGGCTGCCTAGGGAGCTGTGGCAGGATCAAT GGACTCTTGGTGGGCTTCGGCCAGCAGACCTGTCTGCCTGTGCACCCTCGCTGCCACGCC TGCTCAACCAAGCCCTGTCCCGGCCGCCAGGGTCTCTGATGGCCGCATGGCTCTGGC CGAGGTGCCGCTGTGGCCACCGTCTGTGAAGTGCTTTACGCTTCAGGAAGCCACGCCTG TTGAATAAAGCTTTGGTGTGTTTGCAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_002528
Insert Size:	1100 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002528.4.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_002528.4 , NP_002519.1
RefSeq Size:	1097 bp
RefSeq ORF:	939 bp
Locus ID:	4913
UniProt ID:	P78549
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Base excision repair
Gene Summary:	<p>The protein encoded by this gene is a DNA N-glycosylase of the endonuclease III family. Like a similar protein in E. coli, the encoded protein has DNA glycosylase activity on DNA substrates containing oxidized pyrimidine residues and has apurinic/aprimidinic lyase activity. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). CCDS Note: The coding region has been updated to shorten the N-terminus to one that is more supported by conservation.</p>