

Product datasheet for **SC206157**

Cystathionase (CTH) (NM_153742) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Cystathionase (CTH) (NM_153742) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CTH
ACCN: NM_153742
Insert Size: 443 bp
Insert Sequence: >SC206157 3' UTR clone of NM_153742
The sequence shown below is from the reference sequence of NM_153742. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

TCCAAGTGAAGTCACAGCTAGTATTCCAGAGCTGCTATTAGAAGCTGCTTCCTGTGAAGATCAAATCTT
CCTGAGTAATTAATGGACCAACAATGAGCCTTTGCAAAATTTCAAGCGGAAATTTTAAGGCACCTCAT
TATCTTTCATAACTGTAATTTCTTAGGGATCATCTCTGTAAAAAGTTTTCTGTATGTCATGTTATAAT
TACAGGTCAATTCTGTTAATATCTTTTTGTTAATTTTGCTCTATGTTGCCTCTGAAGGAGGTGAGATT
GTGCTACTTTGGGAGATTATGTTCTTTTTTCATGTCTAAGATTTATTTTGATCATGTTTATAATAAATG
GTAATTCATTTTGATGTTTTGTGAAGAATTTAAATTTAAACGAATGTTCTTAAATCAAGTGTGATTTTT
TTGCATATCATTGAAAAGAACAT

ACGCGTAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: Sgfi-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq: [NM_153742.3](#)



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Summary: This gene encodes a cytoplasmic enzyme in the trans-sulfuration pathway that converts cystathione derived from methionine into cysteine. Glutathione synthesis in the liver is dependent upon the availability of cysteine. Mutations in this gene cause cystathioninuria. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq, Jun 2010]

Locus ID: 1491