

## Product datasheet for **SC217071**

### Cathepsin O (CTSO) (NM\_001334) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cathepsin O (CTSO) (NM_001334) Human 3' UTR Clone
Symbol:	Cathepsin O
Synonyms:	CTSO1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001334
Insert Size:	1948 bp



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**Insert Sequence:** >SC217071 3'UTR clone of NM\_001334  
 The sequence shown below is from the reference sequence of NM\_001334. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCAGATTCGGTTTCTTCTATATTTGTGTGACATGTTGGCAGATCAAGAGACAGCTACAAAAATGAAGG
TTTTATAATGCAATGTAAACATAGTACTTCAAAGTATTATTCAACTTCAAGTTTCAAGCAACTACCTACA
AAAGATTCTAAGGCCTAGTAGTATTTAACTAAGTTTCAGAATGTTCCCTTCTTGAGAGAGATGGACA
ACCAAAGTCAGTGGGACAACTCCAGCACAGAAGCCTGCGAGGAAGCCTATGGAATAGTTTCTGTCCCT
GAGACGAAATTCAGATTAGGAGATATTTAGGCCCTGCAACTGGGGAAGGCTACTGTTTGTGTTTGTGTT
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ATGTGTGCTTGTACAGTTAGTTATATTAGCAGCCCTCTGAGATGGCGTATCTATCGGAAGGATTTCAA
ACACCAATTGCTTTACCTGAACAAATGGTGCTTACCCTTTGAACAGCAGAGTGACCACGTAAGAAGG
GAAAAGGGCAAAATCGCTTCAGTTAAACTGAAATTAATGAACAATAAGGCAACTATATAAGTAACTTC
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TATTGCTTACTTTGTTCTTTTATACTATAGAATAATATTTGTTCTCTAGTATATCAAAAATACAAAA
TATTATCTCATATTTCTCCCTCTTTCTTACTCTTTACCAAGTTTCTGTTGGCTTGGCTTCCCTG
ACTAAAGAATTAAGTCTCATTTTTACTTTCCATTTCTATTTTCTTACCCTTGGTTGGCTCCCTTTGTC
TCTGTACCTTTACCAACATTAGGATCTCACCTCTTTCTTCCCTTAAATTCATAAGCACCCTCTAT
CAAAGTCCCATCTTTAACCCCTGGGTATCAAACAAACTGTGAGTTTCCAGAATCTGTTTCCCAGTTT
CCCTCAGCTTTCTGGTCTCCCATCCGAAGTCTTCTTTGTGCACCTCTTGTCTTTCTTGGCTCC
CAGTCTTGATTCTGTGATCACTCTTGATCACTAATTGCACAAGTGATTTAGGTTGCAATTCTGATTA
GCCTGCGTCCACACAGTATCGATGATCCTATGTGCTAGAAAGGACACTGTGTGCTGCTCATGACCTG
CAACAGGAAAAAGCCATTTCTGTTAGCAGTGTAAAGACCTTAGAGCAAAGGAGTTGACCTTCTGATT
GAATATAAGCACAACCATATTAATGAATCAATACAAGAAATTTTCTGATACTATGTATGTACATA
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TTCCCTGTGATTAGATAAACAAAAATAAACAATAAATGCTGTATTTCTTCTTACGCCAGTCAGAAC
AATCCGAAAAGAATGTGTGTTGACTCAGGTTTGGAGTTATTTAGGAAGACAGATATTGACCTTTAAT
TGATAAATATTCTTATTATCCTGGAATGCCAGAAAAGAACTATGCCTGCTTGTCTAGTTTGTATTCGC
TGACTTTCTATGTGATATAGATGCAATTTGTAATACTCTTTTTCAAGTGCTAAAGGATTTCTAAAATTC
AAACTGATTAATATGTTTCTGCTGTTCTGGATTTTGATGACATTTACAATAAAACAACCTACATTTGAC
TTTGGTTAAAAAGAA
ACGCGTAAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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\\_001334.3](#)

**Summary:** The protein encoded by the gene is a cysteine proteinase and a member of the papain superfamily. This proteolytic enzyme is involved in cellular protein degradation and turnover. The recombinant form of this enzyme was shown to degrade synthetic peptides typically used as substrates for cysteine proteinases and its proteolytic activity was abolished by an inhibitor of cyteine proteinase. [provided by RefSeq, Jul 2008]

**Locus ID:** 1519

**MW:** 75.4