

## Product datasheet for **SC207804**

### Cathepsin K (CTSK) (NM\_000396) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cathepsin K (CTSK) (NM_000396) Human 3' UTR Clone
Symbol:	Cathepsin K
Synonyms:	CTS02; CTSO; CTSO1; CTSO2; PKND; PYCD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000396
Insert Size:	621 bp
Insert Sequence:	>SC207804 3'UTR clone of NM_000396 The sequence shown below is from the reference sequence of NM_000396. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCAACCTGGCCAGCTTCCCAAGATGTGACTCCAGCCAGCCAAATCCATCCTGCTCTTCCATTTCTTC
CACGATGGTGCAGTGTAACGATGCACCTTGGAAAGGGAGTTGGTGTGCTATTTTTGAAGCAGATGTGGTG
ATACTGAGATTGTCTGTTTCAGTTTCCCATTTGTTTGTGCTTCAAATGATCCTTCCTACTTTGCTTCTC
TCCACCCATGACCTTTTTCACTGTGGCCATCAGGACTTCCCTGACAGCTGTGTACTCTTAGGCTAAGA
GATGTGACTACAGCCTGCCCTGACTGTGTGTCCAGGGCTGATGCTGTACAGGTACAGGCTGGAGAT
TTTCACATAGGTTAGATTCTCATTACGGGACTAGTTAGCTTTAAGCACCTAGAGGACTAGGGTAATC
TGACTTCTCACTTCTAAGTTCCCTTCTATATCCTCAAGGTAGAAATGTCTATGTTTTCTACTCCAATT
CATAAATCTATTATAAGTCTTTGGTACAAGTTTACATGATAAAAAGAAATGTGATTTGTCTTCCCTTC
TTTGCATTTTGAATAAAGTATTTATCTCCTGTCTACAGTTTAAATAATAGCATCTAGTACACATTCA
ACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000396.4</a>
<b>Summary:</b>	The protein encoded by this gene is a lysosomal cysteine proteinase involved in bone remodeling and resorption. This protein, which is a member of the peptidase C1 protein family, is predominantly expressed in osteoclasts. However, the encoded protein is also expressed in a significant fraction of human breast cancers, where it could contribute to tumor invasiveness. Mutations in this gene are the cause of pycnodysostosis, an autosomal recessive disease characterized by osteosclerosis and short stature. [provided by RefSeq, Apr 2013]
<b>Locus ID:</b>	1513
<b>MW:</b>	23.3