

## Product datasheet for **SC206576**

### Cathepsin F (CTSF) (NM\_003793) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cathepsin F (CTSF) (NM_003793) Human 3' UTR Clone
Symbol:	Cathepsin F
Synonyms:	CATSF; CLN13
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003793
Insert Size:	499 bp
Insert Sequence:	>SC206576 3'UTR clone of NM_003793 The sequence shown below is from the reference sequence of NM_003793. 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
ACCATGGCCAGCTCGGCGGTGGTGGACTTGAAGAGGGGCCCCCAGCTCGGGACCTGGTGTGATCAGAGT
GGCTGCTGCCCCAGCCTGACATGTGTCCAGGCCCTCCCCGGGAGGTACAGCTGGCAGAGGGAAAGGCA
CTGGGTACCTCAGGGTGAGCAGAGGGCACTGGGCTGGGGCACAGCCCCTGCTTCCCTGCACCCATTCC
CACCTGAAGTTCTGCACCTGCACCTTTGTTGAATTGTGGTAGCTTAGGAGGATGTCGGGGTGAAGGGT
GGTATCTTGGCAGTTGAAGCTGGGGCAAGAACTCTGGGCTTGGGTAAATGAGCAGGAAGAAAATTTCTG
ATCTTAAGCCCAGCTCTGTTCTGCCCCGCTTCTCTGTTTGATACTATAAAATTTCTGGTTCCCTTG
GATTTAGGGATAGTGCCCTCTCCATGTCCAGGAACTTGAACCAACCTTTTCTAACAGCAATAAAGA
GGTGTCCTTGCCCGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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_003793.4</a>
<b>Summary:</b>	Cathepsins are papain family cysteine proteinases that represent a major component of the lysosomal proteolytic system. Cathepsins generally contain a signal sequence, followed by a propeptide and then a catalytically active mature region. The very long (251 amino acid residues) proregion of the cathepsin F precursor contains a C-terminal domain similar to the pro-segment of cathepsin L-like enzymes, a 50-residue flexible linker peptide, and an N-terminal domain predicted to adopt a cystatin-like fold. The cathepsin F proregion is unique within the papain family cysteine proteases in that it contains this additional N-terminal segment predicted to share structural similarities with cysteine protease inhibitors of the cystatin superfamily. This cystatin-like domain contains some of the elements known to be important for inhibitory activity. CTSF encodes a predicted protein of 484 amino acids which contains a 19 residue signal peptide. Cathepsin F contains five potential N-glycosylation sites, and it may be targeted to the endosomal/lysosomal compartment via the mannose 6-phosphate receptor pathway. The cathepsin F gene is ubiquitously expressed, and it maps to chromosome 11q13, close to the gene encoding cathepsin W. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	8722
<b>MW:</b>	17.3