

Product datasheet for **SC200910**

Cathepsin G (CTSG) (NM_001911) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cathepsin G (CTSG) (NM_001911) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CTSG
Synonyms:	CATG; CG
ACCN:	NM_001911
Insert Size:	149 bp
Insert Sequence:	>SC200910 3'UTR clone of NM_001911 The sequence shown below is from the reference sequence of NM_001911. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTGCTGGATCAGATGGAGACCCCTGTGACTGACTCTTCTTCTCGGGGACACAGGCCAGCTCCACAGT GTTGCCAGAGCCTTAATAAACGTCCACAGAGTATAATAACCAATTCCTCATTGTTCATTAACGTCA TTCAGTACTTA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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).
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:	<u>NM_001911.3</u>



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Summary:

The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against *S. aureus* and *N. gonorrhoeae*. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq, Sep 2014]

Locus ID: 1511

MW: 5.4