

Product datasheet for **SC125558**

Cathepsin W (CTSW) (NM_001335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cathepsin W (CTSW) (NM_001335) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cathepsin W
Synonyms:	LYPN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125558 sequence for NM_001335 edited (data generated by NextGen Sequencing)

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ATGGCACTGACTGCCACCCTCCTGCCTCCTGGCCCTGTTGGTGGCAGGCCTAGCCCAA
GGCATCAGAGGCCCCCTTAGGGCCAGGACCTAGGTCCCGCCAGCCGCTAGAGCTGAAAGAG
GCCTTCAAGTTGTTCCAGATCCAGTTCAACCGGAGTTACCTGAGCCAGAAGAGCATGCT
CACCGCCTGGACATCTTTGCCACAACCTGGCCAGGCTCAGAGGCTGCAGGAGGAGGAC
TTGGGCACAGCTGAGTTTGGGGTACTCCATTCACTGACCTCACAGAGGAGGAGTTTGGC
CAGCTCTATGGCTATCGGAGGGCAGCTGGAGGGGTCCCCAGCATGGGCAGAGAAATAAGG
TCTGAAGAGCCAGAGGAGTCAGTACCTTTCAGCTGTGACTGGCGAAGGTGGCCGGCGCC
ATCTCACCCATCAAGGACCAGAAAACTGCAACTGCTGCTGGCCATGGCAGCGGCAGGC
AACATAGAGACCCTGTGGCGCATCAGTTTCTGGGATTTTGTGGACGTCTCCGTGCAGGAA
CTGCTGGACTGTGGCCGCTGTGGGGATGGCTGCCACGGTGGCTTCGTCTGGGACGCGTTC
ATAACTGTCTCAACAACAGCGGCTGGCCAGTAAAAGGACTACCCGTTCCAGGGCAA
GTCAGAGCCCACAGGTGCCACCCCAAGAAGTACCAGAAGGTGGCCTGGATCCAGGACTTC
ATCATGTGCAGAAACAGGACAGAAATTGCGCAGTACCTGGCCACTTATGGCCCCATC
ACCGTGACCATCAACATGAAGCCCTTCAGCTATACCGGAAAGGTGTGATCAAGGCCACA
CCCACCACCTGTGACCCCGAGCTTGTGGACCACTCTGTCTGTGGTGGGTTTTGGCAGC
GTCAAGTCAGAGGAGGGGATATGGGCAGAGACAGTCTCATCGCAGTCTCAGCCTCAGCCT
CCACACCCACCCATACTGGATCCTGAAGAACTCCTGGGGGGCCCAATGGGGAGAGAAG
GGCTATTTCCGGCTGCACCGAGGGAGCAATACCTGTGGCATCACCAAGTCCCGCTCACT
GCCCCGTGTGCAGAAACCGGATATGAAGCCCCGAGTCTCCTGCCCTCCCTGA

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Clone variation with respect to NM_001335.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001335 unedited GATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATCCCAGGATTGCGCGGCTTCT GCCTCCATGCCACTCCAGACTGCACCGCATGGCACTGACTGCCACCCCTCCTGCCTCC TGGCCCTGTTGGTGGCAGGCCTAGCCAAAGGCATCAGAGGCCCTTAGGGCCAGGACC TAGGTCCCAGCCGCTAGAGCTGAAAGAGGCCTCAAGTTGTTCCAGATCCAGTTCAACC GGAGTTACCTGAGCCCAGAAGAGCATGCTCACCGCCTGGACATCTTTGCCACAACCTGG CCCAGGCTCAGAGGCTGCAGGAGGAGGACTTGGGCACAGCTGAGTTGGGGTGACTCCAT TCAGTGACCTCACAGAGGAGGAGTTTGGCCAGCTCTATGGCTATCGGAGGGCAGCTGGAG GGTCCCCAGCATGGGCAGAGAAATAAGGTCTGAAGAGCCAGAGGAGTACGTTTCA GCTGTGACTGGCGGAAGGTGGCCGGCGCCATCTCACCCATCAAGGACCAGAAAACTGCA ACTGCTGTGGCCATGGCAGCGGCAGGCAACATAGAGACCCTGTGGCGCATCAGTTTCT GGGATTTTGTGGACGTCTCCGTGCAGGAAGTGTGGACTGTGGCCGTGTGGGGATGGCT GCCACGGTGGCTTCGTCTGGGACGCGTTCATANACTGTCTCAACAACAGCGGCCTGGCCA GTGAAAAGGACTA
Restriction Sites:	Please inquire
ACCN:	NM_001335
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001335.2 , NP_001326.2
RefSeq Size:	1292 bp
RefSeq ORF:	1131 bp
Locus ID:	1521
UniProt ID:	P56202
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Lysosome

Gene Summary:

The protein encoded by this gene, a member of the peptidase C1 family, is a cysteine proteinase that may have a specific function in the mechanism or regulation of T-cell cytolytic activity. The encoded protein is found associated with the membrane inside the endoplasmic reticulum of natural killer and cytotoxic T-cells. Expression of this gene is up-regulated by interleukin-2. [provided by RefSeq, Jul 2008]