

Product datasheet for **SC126234**

Cathepsin W (CTSW) (BC048255) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cathepsin W (CTSW) (BC048255) Human Untagged Clone
Tag: Tag Free
Symbol: CTSW
Synonyms: cathepsin W; lymphopain; LYPN
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC048255 edited

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TGCGCGGTTTCCTGCCTCCATGCCACTCCAGACTGCACCGCATGGCACTGACTGCCAC
CCCTCCTGCCTCCTGGCCCTGTTGGTGGCAGGCCTAGCCCAAGGCATCAGAGGCCCCCTT
AGGGCCCAGGACCTAGGTCCCCAGCCGCTAGAGCTGAAAGAGGCCTTCAAGTTGTTCCAG
ATCCAGTTCAACCGGAGTTACCTGAGCCCAGAAGAGCATGCTCACCGCTGGACATCTTT
GCCACAACCTGGCCCAGGCTCAGAGGCTGCAGGAGGAGGACTTGGGCACAGCTGAGTTT
GGGGTACTCCATTCACTGACCTCACAGAGGAGGAGTTTGGCCAGCTCTATGGCTATCGG
AGGGCAGCTGGAGGGTCCCCAGCATGGGCAGAGAAATAAGGTCTGAAGAGCCAGAGGAG
TCAGTACCTTTCACTGTGACTGGCGGAAGGTGGCCGGCGCCATCTCACCCATCAAGGAC
CAGAAAACTGCAACTGCTGCTGGGCCATGGCAGCGGCAGGCAACATAGAGACCCCTGTGG
CGCATCAGTTTCTGGGATTTTGTGGACGCTCCGTGCAGGAACTGCTGGACTGTGGCCGC
TGTGGGGATGGCTGCCACGGTGGCTTCGTCTGGGACGCGTTCATAACTGTCTCAACAAC
AGCGGCCCTGGCCAGTAAAAGGACTACCCGTTCCAGGGCAAAGTCAGAGCCCACAGGTGC
CACCCCAAGAAGTACCAGAAGGTGGCCTGGATCCAGGACTTCATCATGCTGCAGAAACAAC
GAGCACAGAATTGCGCAGTACCTGGCCACTTATGGCCCCATCACCGTGACCATCAACATG
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CAGCTTGTGGACCACTGTCTGCTGGTGGGTTTTGGCAGCGTCAAGTCAGAGGAGGGG
ATATGGGCAGAGACAGTCTCATCGCAGTCTCAGCCTCAGCCTCCACACCCACCCACATAC
TGGATCCTGAAGAACTCCTGGGGGGCCCAATGGGGAGAGAAGGGCTATTTCCGGCTGCAC
CGAGGGAGCAATACCTGTGGCATCACCAAGTTCCTGCTCACTGCCCGTGTGCAGAAACCG
GATATGAAGCCCCGAGTCTCCTGCCCTCCCTGAACCCACCTGGCCCCCTCAGCTCTGTCC
TGTTAGGCCAACTGCCTCCTTGCCAGCCCCACCCAGGTTTTTGGCCATCCTCCCAATC
TCAATACAGCCTGAATAAACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC048255 unedited GGGGGT CAGGGATTTTGTAAATACGACTTACTATAGGCGGCCGCGCATTCAAATCTGGTAC CGGTCCGGAATCCC GGGATTGCGCGGCTTCTGCCTCCATGCCACTCCAGACTGCACCG GCATGGCACTGACTGCCACCCCTCCTGCCTCCTGGCCCTGTTGGTGGCAGGCCTAGCCC AAGGCATCAGAGGCCCTTAGGGCCAGGACCTAGGTCCCAGCCGCTAGAGCTGAAAG AGGCCCTCAAGTTGTTCCAGATCCAGTTCAACCGGAGTTACCTGAGCCCAGAAGAGCATG CTCACCGCTGGACATCTTTGCCACAACCTGGCCAGGCTCAGAGGCTGCAGGAGGAGG ACTTGGGCACAGCTGAGTTTGGGGTGACTCCATTCAAGTGACCTCACAGAGGAGGATTTG GCCAGCTCTATGGCTATCGGAGGGCAGCTGGAGGGTCCCAGCATGGGCAGAGAATAA GGTCTGAAGAGCCAGAGGAGTCAGTACCTTTCAGCTGTGACTGGCGGAAGGTGGCCGGCG CCATCTCACCCATCAAGGACCAGAAAACTGCAACTGCTGCTGGGCCATGGCAGCGGCAG GCAACATAGAGACCCTGTGGCGCATCAGTTTCTGGGATTTTGTGGACGTCTCCGTGCAGG AACTGCTGGACTGTGGCCGCTGTGGGGATGGCTGCCACGGTGGCTTCGTCTGGGACGCGT TCATAACTGTCTCAACACAGCGGCCTGGCCAGTAAAAGGACTACCCGTTCCAGNCAN AGTCAGAGCCCACAGTGCCACCCAGAAGTACCAGAAGTGGCCTGGATCCAGACTTCATA TGCTGCAGACAACAGCACAGAATGCGCAGTACTGGCCACCTATGCCCCATCACCGTGACA TCACATGAAC
Restriction Sites:	NotI-NotI
ACCN:	BC048255
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:	BC048255.1 , AAH48255.1
RefSeq Size:	1339 bp
Locus ID:	1521
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]