

Product datasheet for **MG215397**

Ctsw (NM_009985) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctsw (NM_009985) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ctsw
Synonyms: lym; lymphopain
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215397 representing NM_009985
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACACTGACTGCCACCTCTCCTACTTTCTGGTCTGTTGTTAGCGGGCCAAGGCCTCAGTACTCCC
 TCCTACCAAGGATGCAGGTCCCCGGCCACTGGAGCTGAAGGAAGTCTTCAAGCTGTTCCAGATCCGGTT
 CAACCGGAGTTACTGGAACCCAGCAGAGTACACTCGCCGTCTGAGCATCTTTGCCACAATCTGGCTCAG
 GCTCAAAGGCTACAGCAAGAAGACTTGGGTACAGCTGAGTTTGGAGAGACTCCATTCAGTGACCTCACAG
 AGGAGGAGTTTGGCCAGTTATACGGGCAGGAGAGGTCACCAGAAAGGACCCCAACATGACCAAAAAGGT
 AGAGTCTAACACGTGGGGGAATCTGTGCCCGCACCTGTGACTGGCGTAAAGCAAAGAACATCATCTCG
 TCGGTCAAAGAACCAGGAAGCTGCAAAATGCTGCTGGGCCATGGCAGCTGCCGACAACATCCAGGCTCTGT
 GGCGCATCAAACACCAGCAGTTTGTGGACGTCTCTGTGCAGGAGCTGCTGGACTGCGAACGCTGTGGAAA
 TGGTTGCAATGGTGGCTTCGTGTGGGACGCATATCTAACTGTCCTCAACAACAGTGGCCTGGCCAGTGAA
 AAGGATTATCCATTCCAGGGGGACAGAAAGCCTCACAGATGCCTAGCCAAGAAGTACAAGAAGGTGGCCT
 GGATCCAGGATTCACCATGTTGTCCAATAATGAGCAGGCAATTGCCACTACCTGGCCGTGCATGGACC
 TATCACCGTGACCATCAACATGAACTACTCCAGCATTACCAGAAGGGTGTATCAAGGCTACACCCAGC
 TCCTGTGACCCTCGCAAGTGGACCCTGTCTTGGTGGGCTTTGGCAAGGAGAAAGAGGGCATGC
 AGACAGGGACAGTCTTGTCCATTCTCGAAAACGTCGCCACTCCTCCCCATACTGGATCCTGAAGAAGTCT
 CTGGGGAGCTCACTGGGGCGAGAAGGGTACTTCAGGCTGTATCGGGGAAACAACACCTGTGGAGTCACC
 AAGTATCCCTTACAGCTCAAGTGGACTCACCAGTAAAGAAGGCACGGACCTCTTGTCTCTCC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215397 representing NM_009985
 Red=Cloning site Green=Tags(s)

MTLTAHLSYFLVLLLAGQGLSDSLLTKDAGPRPLELKEVFKLFQIRFNRSYWNPAEYTRRLSIFAHNLAQ
 AQRLLQEDLGTAEFGETPFSDLTEEEFGQLYGQERSPERTPNMTKKVESNTWGESVPRTCDWRKAKNIIS
 SVKNQGSCCKCWAMAAADNIQALWRIKHQQFVDVSVQELLDLCERCNGCNGGFVWDAYLTVLNNSGLASE
 KDYPFQDRKPHRCLAKKYKKVAWIQDF TMLSNNEQAI AHYLAVHGPI TVTINMKLLQHYQKGVIKATPS
 SCDPRQVDHSVLLLVGFGKEEGMQTGTVLSHRKRRHSSPYWILKNSWGAHWGEKGYFRLYRGNNTCGVT
 KYPFTAQVDSPVKKARTSCPP

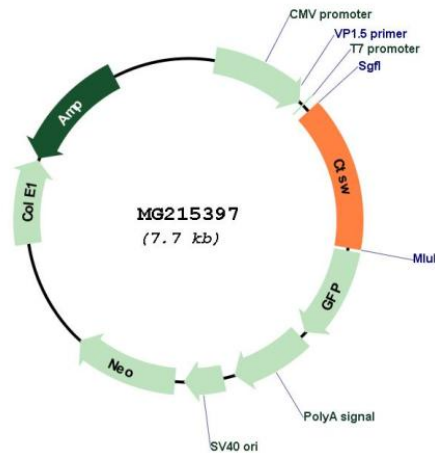
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009985

ORF Size:	1113 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_009985.5 , NP_034115.2
RefSeq Size:	1232 bp
RefSeq ORF:	1116 bp
Locus ID:	13041
UniProt ID:	P56203
Cytogenetics:	19 A
Gene Summary:	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate a mature protein product. Expression of the encoded protein is upregulated following lymphocyte activation. Data from a human cell line suggests that the encoded enzyme may be important for viral entry into host cells. [provided by RefSeq, Aug 2015]