

Product datasheet for **MR207380**

Ctsf (NM_019861) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctsf (NM_019861) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctsf
Synonyms:	AI481912
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207380 representing NM_019861
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCCTACTGCAGCTTCTGTGGCTGCTGACACTGCTCTCGACTGTGGCCCTGAGCCCCGTCCCCG
 CCAAGCCCTGGGAGATGACGAGCAGGCCTGGAACCTTGTCTGCCAGGAGCTGTGGCCCCGCCGCTT
 CGCGCTGGACATGTACAATTACGGCCGTCTGCGGGGACAAGGGCCGTGCTAGGAGCGGTGCGCGGACGC
 GTCGCGCGGGGCCAGGGCTCTCTGTCTCCCTGGAAGCCACACTAGAGGAGCCACCTTGCAATGATC
 CCCTGGTGTGCCACTGCCTGAGACGAAGAAAACAGTGTCTGCAGTTTTGAAGTCTGGAAGAGCTAAA
 AGAACACTTGCTGCTGAGGAGGGACTGTAGCCAGTGAATGCCAAGGTCACAGAGTTTAGAAATGCGACT
 TTCAGCTATTCCCTTCCATTGTTGGACAAGGATCCCCTGCCCCAGGACTTCTCTGTGAAGATGGCTCCAC
 TCTTCAAGGACTTCATGACCACCTATAACCGGACTTATGAATCAAGGGAAGAAGCCAGTGGCGATTGAC
 TGTCTTTGCAAGAAATATGATACGAGCACAGAAGATTCAGGCCCTGGACCGCGGCACAGCTCAGTATGGG
 ATCACCAAGTTCAGTGACCTCACAGAGGAGGAATTCACACCATCTACCTGAATCCCCTCTACAGAAGG
 AGTCTGGCAGGAAGATGAGTCCAGCCAAGTCCATAAAATGATCTTGCCCCGCTGAATGGGACTGGAGGAA
 GAAAGGGGCTGTCACTGAAGTGAAGAACCAGGGCATGTGTGGCTCCTGTGGCCCTTTCTGTACAGGC
 AACGTGGAGGGCCAGTGGTTCTGAACCGGGGACTCTGCTCTCCCTGTGAGCAGGAGCTCTGGATT
 GTGACAAGGTGGACAAGGCTGTTGGGTGATTGCCCTCCAACGCTATGCAGCCATAAAGAAATTTGGG
 AGGGCTGGAGACAGAGGATGACTACGGCTACCAGGGCCATGTTGACACCTGCAACTTCTCAGCACAGATG
 GCAAAAGTCTACATCAATGATTCAGTGGAGCTGAGCCGGAATGAAAATAAGATAGCAGCCTGGCTGGCCC
 AGAAAGGACCTATCTCAGTTGCCATTAACGCCTTCGGCATGCAGTTCTATCGCCACGGGATTGCTACCC
 ATTCCGGCCCTCTGCAGCCCTTGGTTCATCGACCATGCTGTGTTGCTGGTGGGCTATGGCAACCGCTCT
 AACATTCTTACTGGCCATCAAGAACAGCTGGGGCAGTACTGGGGTGGAGGGTTACTACTACTTGT
 ACCGTGGATCTGGAGCCTGTGGTGAATACCATGGCCAGCTCAGCCGTGGTGAAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207380 representing NM_019861
 Red=Cloning site Green=Tags(s)

MAPLLQLLWLLTLLSTVALSPVPAKPWADDEQAWNLSQELLAPARFALDMYNYGRAAGTRAVLGAVRGR
 VRRAGQGSLSLEATLEPPCNDPLVCPLPETKKTVLCSFEVLEELKEHLLLRDCSPVNAKVTEFRNAT
 FSSFLLPLDKDPLPQDFSVKMAPLKFDFMTTYNRTYESREEAQWRLTVFARNMIRAQKIQLDRGTAQYG
 ITKFSDLTEEEFHTIYLNPLLQKESGRKMSPAKSINDLAPPEWDWRKKGAVTEVKNQGMCGSCWAFSVTG
 NVEGQWFLNRGTLLSLSEQELLDCKVDKACLGLPSNAYAAIKNLGGLTEDDYGYQGHVQTCNFS AQM
 AKVYINDSVELSRNENKIAAWLAQKGPISVAINAFGMQFYRHGIAHPFRPLCSPWFIDHAVLLVGYGNRS
 NIPYWAIKNSWGSWDWGEEGYYLYRSGACGVNTMASSAVVN

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9059_b04.zip

Restriction Sites:

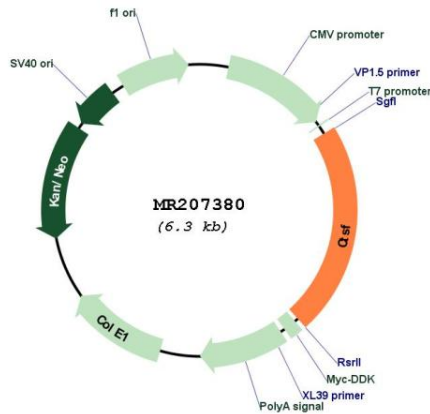
Sgfl-RsrII

Cloning Scheme:


- ACCN:** NM_019861
- ORF Size:** 1386 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:**
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.
- Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
- RefSeq:** [NM_019861.2](#)
- RefSeq Size:** 1975 bp
- RefSeq ORF:** 1389 bp
- Locus ID:** 56464

UniProt ID: [Q9R013](#)
 Cytogenetics: 19 A
 MW: 51.7 kDa
 Gene Summary: Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207380