

Product datasheet for **MR212742**

Ccser2 (NM_028407) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccser2 (NM_028407) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccser2
Synonyms:	1700012P13Rik; 2900054P12Rik; AI035535; AW108503; Fam190b; Gcap14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR212742 representing NM_028407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGGATGTGGATTTGCCGGAGGACGCACCTCTTGAAAATGTGGAGTGTGACAATATGAACCGCTTTG
 ACCGAACAGACAGAAATGTACGACAGTCGACGAGCGGATTTTGAAAAAGGCCACCCAGAGGTGGAGTGG
 ACAGGACCATTACCACCTCAGCCACCCTGGTCACTATCATCACCATGGACAAAGTGACTTGAGCAGAGGC
 TCTCCTTATAGAGAATCTCCTTTGGGTCACTTTGAAAGCTATGGAGGGACCCCTTTTCCAGGCTCAGA
 AGATGTTTGTAGATGTGCCCACAACACAGTGATCCTGGATGAGATGACCTCCGGCACATGGTCCAGGA
 TTGCACAGCTGTGAAACGCAGTTACTGAACTCAAGCGTCTGTTACACCAGCATGACGGAAGTGGATCA
 TTGCATGATGTTAGCTCTCATTGCCATCCAGTCCAGAGCCAGAAGACGGTGATCAGATATATAAGATG
 AAGATTTACTAAATGAAATAACACAACCTAAAGAGGAAATAAGAAAAAAGATGAAAAATCCAATATT
 AGAGCAGCAGCTTGCAACTCGATGTAAGTGTGACGAGAAATCTAAAGAGGAAAAGTGACATATGCTGAT
 AAATATACCCAGACACCTGGAGACGGATTCTCTCAAGTACTACAGCCTTCCAGCAGCCTTCCAGAT
 CTACAGACCACGCCCAGGAAAACTAATAAGCCACAACGTACCGAGGCCACAGTGACTACACAGTTCA
 AGGCGTGTGTCCGGTGGTGCATCCAGATGGAAGCTGTACACATGGCTTGCAACAGGACAACAGCCGT
 GGTTTGCAAGAGCGTCTTCTTCGTCAAGCCCGCAGTTGACAGTGGATGTGGTGAAGTACATACCTTCTG
 AAACGGACCTGAGCATGACTCTGGATGCTCAAGAGCCTCATCATTTGGCAGAGAAAAACCTAGTGACTT
 GCAGTTTGTAACTCCTCCTCAGACCCCTTCCAGTCAAGTACAGTGGACCAGACTAAGAGGGGTGGA
 AGAAACCAATGTCCTCAGCCCAAGTCCTTGACGCTTTAAAGCCATCCAATTGAGTTCTTTGACACCTC
 CTCCGATTTCTGACTCCTCACCAAGTAGAACTCCACATGTAAGAAGGCACCAGGAATCACACCATGCCA
 TTCAAAACATCAGCCAACATCGAATCAAAACAATCCTGCAATCATTTGAATCTGAAAACGTCTAAACTC
 CGTCCCCCTTCTGGCTCTTTCAAGCAAAAAAATAAGTAACCCCAAGTAGAGCCTCAGAACTTCCAGG
 CCAAGACAAGCATCCCAAGGCCATTAGCACGGCCAAAAGAGCTGCATGCTCCACACAGCGGTTTGCATTC
 TGGGGATTGTGTGGCCTTAATCGATATTCTCGTCTTCTAAACCAAGATACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212742 representing NM_028407
 Red=Cloning site Green=Tags(s)

MLDVDLPEDAPLENVECDNMNRFDRDRNVRSQDGFWRPPQRWSGQDHYHLSHPGHYHHHGQSDLSRG
 SPYRESPLGHFESYGGTPFFQAQKMFVDVDPDNTVILDEMTLRHMQDCTAVKTQLLKLRLHLHQHDGSGS
 LHDVQLSLPSSPEPEDGDQIYKNEDLLNEITQLKEEIKKKDEKIQLLLEQQLATRCNCQQKSKEEKTYAD
 KYTQTPWRRIPPQVLQPSSSLPRSTDHAQGLIKPQRTAHSPTYVQGVCPGGAHPDGSCSTHGLQQDQNSR
 GLQERPSSSSPQLTVDVVKYIPSETDLSMTLDAQEPHHLAEKKPSDLQFVTPPPQTPSQSSSTDQTKRGG
 RNQCPQPKSLQLLKPSNLSSLTPPPDSDDSPSRTSTCKKAPGITPCHSKHQPTSNQNNPANHLNLKTSKL
 RPPSGSFQKQKQISNPQVEPQNFQAKTSIPRLARPKELHAPHSGLHSGDCVASNRYSRPKPKIH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 028407

ORF Size: 1455 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_028407.4](#)

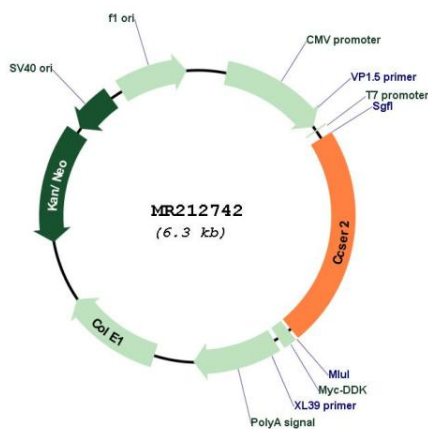
RefSeq Size: 5587 bp

RefSeq ORF: 1458 bp

Locus ID: 72972

UniProt ID:	<u>Q3UHI0</u>
Cytogenetics:	14 B
MW:	54.9 kDa
Gene Summary:	Microtubule-binding protein which might play a role in microtubule bundling. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212742