

Product datasheet for **MR211251**

Cherp (NM_138585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cherp (NM_138585) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cherp
Synonyms:	5730408I11Rik; D8Wsu96e; DAN16; Scaf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211251 representing NM_138585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGATGCCGATGCCGCCAGATGATCAGGAGCTTCGAAATGTCATCGATAAGCTCGCTCAGTTTGTGG
 CTCGCAACGACCAGGTTTCGAGAAAATGACGATGGAGAAGCAGAAGGACAACCCCTAAGTTCTCGTTTCT
 GTTTGGAGGCGAGTTCTACAGTTACTACAAGTGAAGCTGGCACTGGAGCAGCAACAGCTAATCTGCAAG
 CAGCAGGCCCCAGAGCTGGAGCCACCTCAGCCATGCCCCCTCTGCCACAACCTCCGCTGGCTCCCACAG
 CGTCCCTCACTCCGGCCAGGGCACCCATCAATGGACGAGCTCATCCAACAGAGCCAGTGGAGTCTCCA
 GCAGCAGGAACAGCACCTGCTGGCCCTGCGCCAGGAGCAAGTAACGACAGCCGTGGCACATGCAGTGGAA
 CAGCAAATGCAGAAGCTGCTGGAAGAGACACAACCTGGACATGAGCGAGTTTGACAACCTGCTACAGCCCA
 TCATTGACACCTGCACAAAGGATGCCATCTCGGCTGGGAAGAAGTGGATGTTGAGCAATGCTAAGTCCCC
 ACCACACTGTGAGCTGATGGCAGGCCACCTGCGCAACCCGATCACTGCTGATGGCGCACACTTCGAGCTG
 CGGCTACACCTCATCTATCTGATCAATGACGTGCTGCACCACTGCCAGCGCAAGCAGGCCGGGAGCTGC
 TGGCTGCCTTGCAAGGTTGGTAGTACCATCTATTGCACCAGCTTCTGGCTGTGGAGGAGGACAAACA
 GCAGAAGATTGCCCGGCTCCTGCAGCTCTGGGAAAAGAACGGCTACTTTGATGACTCCATCATTAGCAA
 CTGCAGAGCCCTGCCCTGGGACTTGGTCAGTATCAGGCGACTCTCATCAATGAGTACTCGTCAGTGGTGC
 AGCCTGTGCAGCTGGCCCTCCAGCAGCAGATCCAGAGCCTCAAGACACAGCATGAAGAGTTTGTGAGCAG
 CTTAGCCACAGCAGCAGCAGCAGCAACAACAGCAGCAGCAGCAGCCGAGCCACAGCCACAGCCACAG
 ATTCAGCTGCCTCAGATGGAAGCAGATGTGAAGGCCACACCCACCACCAGCACCACCAGCCTCAG
 CACCTGCCCCACCATCCCACCAACTACCCAGCCAGATGACAACAAGCCCTCCCATCCAGATGCCTGGCTC
 TTCAGAGTACGACACCTCTGCAAGGTGCCAGGATCCTGCAGCTGCTGGCCCTCGAGGTCTGGCCCCCAT
 GAGCAGATCCCGCAAACAAGCCCTTGGTTTATGAGCCTCACCCAGTTGCCCTTGGGGTCAACAGC
 AGCCCCCTGAGCAACCCCATACCCACACCACCAAGGTGGACCACCCATTGCCACCCTGGAACAACAG
 CCACGAGGGCATGTGGGGTGAGCAGCGAGGGGACCCTGGCTGGAATGGGCAGCGAGATGCTCCGTGGAAC
 AACCCAGCAGATCCCAATTGGAATAACCCAGTTTGAAGGACCATGGAACAATCAGCATGAGCCACCCGCT
 GGGGTGGTGGCCAGCGGGAGCCGCCCTCAGAATGCAGCGGCCCCCACTTCCGTGGGCCGTTCCACCC
 CCACCAGCAGCACCACAGTTCAACCAGCCTCCACATCCCACAACCTCAACCGGTTCCACCCCGCTTC
 ATGCAGGATGACTTCCCACCTCGTCACCCTTTGAGCGGCCACCCTACCCTCACCCTTTGACTATCCCC
 AGGGAGACTTTCCTGCAGACATGGGACCCCTCATCACCACCCTGGCCACCGAATGCCACACCCTGGGAT
 CAATGAGCACCCACCTTGGGCTGGGCCCCAGCACCCCTGACTTTGGCCCTCCTCCCCACGGCTTCAATGGC
 CAGCCTCCCACATGCGGCGACAGGGCCACCTCACATCAACCATGATGACCCAGCCTAGTCCCAATG
 TGCCCTACTTCGATCTTCCAGCGGGTTAATGGCCCCCTTGTGAAGCTGGAGGATCATGAGTACAAGCC
 TCTGGACCCAAAGACATCCGCCTGCCACCCCATGCCTCCAGTGAGAGGCTACTCGCAGCTGTGGAG
 GCCTTCTACAGTCCGCCCTCCCATGACAGGCCAAGGAACAGTGAAGGCTGGGAGCAGAATGGCCTCATG
 AGTTCTTTCGAGCCAAGATGCGAGCAGCGCGCGCAAGGGCCAGGAGAAGAGAAACAGCGGCCCTCCAG
 ATCAGCAGCCGGTCCAAAAGCCGAGGCCGCTCCTCATCTCGCTCCAGCTCCCAGTCCCTCAAGTCCCTCA
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 GCCGGTACGTTCTCCAGAAGCCGCTCGCGCTCCAGGTCCAGGTCCAGGTCCAGGTCCAGGTCCAAAGTCACTC
 CCCTGGGAGGCGGCGACGCTCCAGGTCCCGGAGCCCCACCCACCCTCTGCAGCTGGCCTGGGTTTAAT
 TCAGCGCCTCCCATACCAGACTCGAGGCTTGGAGAAGAGAATAAAGGCCATCAAATGCTGGTGAAGATGG
 GCTGGAGCGGGTCTGGTGGCCTTGGTCAAAGGAACAGGGCATTGAGGATCCCATTAAGGGTGGTACGCT
 CCGGGATAAATGGGACCAGTACAAGGGCGTGGGTGTGGCCCTGGACGACCCTTATGAGAATACCGCCGC
 AACAAGAGCTACTCCTTATTGCCCGCATGAAAGCCCGAGATGAGTTTTCCACATTTGGGACTCGAAAAG
 AAGAGAAGGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211251 representing NM_138585
 Red=Cloning site Green=Tags(s)

MEMPMPDDQELRNVIDKLAQFVARNGPEFEKMTMEKQKDNPKFSFLFGGEFYSYKCKLALAEQQQLICK
 QQAPELEPTSAMPPLPQPPLAPTASLTPAQGTPSMDLIIQQSQWSLQQEQHLLALRQEQTVAHAVE
 QQMQKLLLEETQLDMSEFDNLLQPIIDTCTKDAISAGKNWMSNAKSPPHCELMAGHLRNRITADGAHFEL
 RLHLIYLINDVLHHCQRKQARELLAALQKVVVPIYCTSFLLAVEEDKQQKIARLLQLWEKNGYFDDSIQQ
 LQSPALGLGQYQATLINEYSSVVPVQLAFQQQIQSLKTOHEEFVSSLAQQQQQQQQQQPQPQPQ
 IQLPQMEADV KATPPPPAPPASAPAPTIPPTTQPDNKPPIQMPGSSEYDTSAGVQDPAAGPRGPGPH
 EQIPPNKPPWFDQPHVAPWGQQQPPEQPPYPHHQGGPPHCPPWNSHEGMWGEQRGDPGWNGQRPDPWN
 NQPDPNWNNQFEGPWNQHEPPPWGGAQREPPFRMQRPPIHFRGPFPPHQHPQFNQPPHPHFNRFPPRF
 MQDDFPPRHPPFERPPYPHRFDYPQGDFFADMGPPIHHGHRMPHPGINEHPPWAGPQHPDFGPPPHGFNG
 QPPHMRQGGPHINHDDPSLVPNVYFDLPAGLMAPLVKLEDHEYKPLDPKDIRLPPMPPSERLLAAVE
 AFYSPSHDRPRNSEGWEQNGLYEFFRAKMRARRRKGQEKNSGSRSRSRSKSRGRSSSRSSSRSSKSS
 RSSSRSHSRSRSSSRSRSRSRSRSRSRSRSRSRSRSRSRSKSYSPGRRRRSRSRSPTPPSAAGLGSN
 SAPPIDPDRSLGEENKQHMLVKMGWSSGGLAKEQGIQDPIKGGDVRDKWDQYKGVGVALLDDPYENYRR
 NKSYF IARMKARDEFSTFGTRKEEKED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

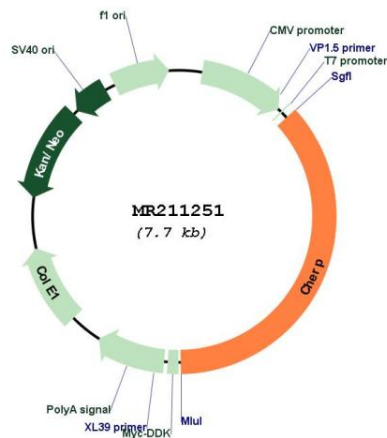


* The last codon before the Stop codon of the ORF

ACCN: NM_138585

ORF Size: 2814 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_138585.3 , NP_613051.3
RefSeq Size:	3820 bp
RefSeq ORF:	2817 bp
Locus ID:	27967
UniProt ID:	Q8CGZ0
Cytogenetics:	8 35.08 cM
MW:	106.4 kDa
Gene Summary:	Involved in calcium homeostasis, growth and proliferation.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR211251