

Product datasheet for **MG211251**

Cherp (NM_138585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cherp (NM_138585) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cherp
Synonyms:	5730408I11Rik; D8Wsu96e; DAN16; Scaf6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211251 representing NM_138585
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATGCCGATGCCGCCAGATGATCAGGAGCTTCGAAATGTCATCGATAAGCTCGCTCAGTTTGTGG
 CTCGCAACGGACCCGAGTTCGAGAAAATGACGATGGAGAAGCAGAAGGACAACCCCTAAGTTCTCGTTTCT
 GTTTGGAGGCGAGTTCTACAGTTACTACAAGTGAAGCTGGCACTGGAGCAGCAACAGCTAATCTGCAAG
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 TCCTTCATTGCCCGCATGAAAGCCGAGATGAGTTTTCCACATTTGGGACTCGAAAAGAAGAGAAGGAAG
 AC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211251 representing NM_138585
 Red=Cloning site Green=Tags(s)

MEMPMPDDQELRNVIDKLAQFVARNGPEFEKMTMEKQKDNPKFSFLFGGEFYSYKCKLALAEQQQLICK
 QQAPELEPTSAMPPLPQPPLAPTASLTPAQGTPSMDL IQQSQWSLQQQEQLLALRQEQVTTAVAHAVE
 QQMQKLLLEETQLDMSEFDNLLQPIIDTCTKDAISAGKNWMSNAKSPPHCEL MAGHLRNRITADGAHFEL
 RLHLIYLINDVLHHCQRKQARELLAALQKVVVPIYCTSF LAVEEDKQK IARLLQLWEKNGYFDDSI IQQ
 LQSPALGLGQYQATLINEYSSVQPVQLAFQQQIQSLKTOHEEFVSSLAQQQQQQQQQQPQPQPIQ
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 IPPNKPPWFDQPHPVAPWGQQQPPEQPPYPHHQGGPPHCPPWNSHEGMWGEQRGDPGWNGQRDAPWNNQ
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 SSRSHRSRSRSSRSRSRSRSRSRSRSRSRSRSRSKSYSPGRRRRRSRSRSPTPPSAAGLGSNSAPP
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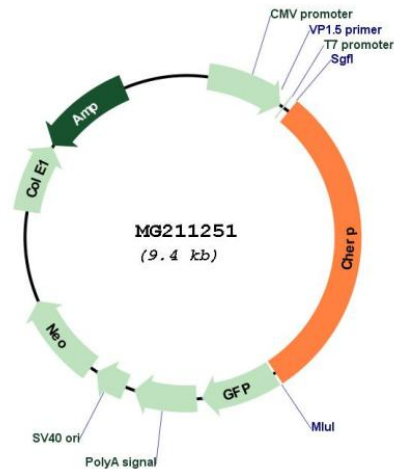
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


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

Gene Summary: Involved in calcium homeostasis, growth and proliferation.[UniProtKB/Swiss-Prot Function]