

## Product datasheet for **RR200550**

### Fcmr (NM\_001014843) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fcmr (NM_001014843) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fcmr
Synonyms:	Faim3; Toso
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200550 representing NM_001014843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACCTTTGGCTTTGGTTACTCTACTTCTGCCAGTGTCTGGGACCCTGAAGGTCTCCAGAAGTAC  
GGCTGGAAGTAGAGTTGGTGGGTCGGTTTTTCATCGAGTGCCTCCCTCAAACACACGTGAGGATGTA  
TCTGTGCCGGCAGATGACCAACCCTGCAATATGCGCCACTGTGGTGTCCAACATCTTTGTCAAGAAGGAA  
TATAAAAGGCGGGTCACCTGAAGCCATCCTTGAATAAGAAGCTGTTCTAGTGGAGATGACACAGCTGA  
CTAAGGATGACGAAGGAATCTATGCCTGTGGTGTGGGCACAAACACAGACCTCGGCAAGCCAGAAAGT  
CACCTGAACGTCGTAATGAATCCCAGAATACCCAGAGCCATTCTGGGACGATGAACCGACATCAGAG  
CCATCGCCAAGATGGTGGTTGCACAGATATCCGGAGGAGCTTCCCTGGCTCAAAATGGGTGAACATGCCA  
GCCCTTCTGGATTCATAGACAAAGTCACCACACTATCTCAAAGACTGAGGCCCTCCAGTTCACCAGCC  
CTCCACCAACACTTCAGTAAGCCGCCATCCCAGAGTTTATGGAGCATCTTCTGAAACACCTACCAAGCCC  
TCAGCGCTCCTGCCAGCTACCACAGCCTCAAACCTCTGCTCGGCAAGCATCCAGGCTCCTCGAGGCCA  
GCTACAGCCACCACACCAGACTTCATGGGAAAGGACACCCACTACGGTTCACAGTATGGGAGAGAAGA  
CCGAGGGCTTACATCTCCATCCCAGAATTTACATTCTGATTCCGACCTTCTGGGCTTCTCTTGCTG  
GTTCTTTTGGGACTGGTGGTAAAACGAGCCATTCAAAGGAGGAGAGCCTTCTCCAGGCGCGTAGGCCGAA  
TGGCGAGGAGAATGCGAGGCCGGGGCCTTCCCGCCAGATCCCTACACAGCGCCGGGATGCCCGCAGAG  
GCCGCGCTCGCAGAACAACGTCTACAGCGCTGCCCGCGCGCACGGGAACCCGACAACGTGGGTTCA  
GCGGAGGCTGTCTCAACGCCCCAGCCTCGGCGCCCCAGCCTGCCACTGGTAATTGAAACTTCTT  
GGCCCCACACCCGCTCTGAAGATGAGCTGTGAATACGTGAGCTGGGCCACCAGCCTGCTGTCAACGT  
AGAAGACCAGGATCAAACGATTACATCAATATTCCTGGCCTACCTCATCTCCCTAGCAAGCCCCAGGG  
CCCAGACCTTCAGCCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200550 representing NM\_001014843  
Red=Cloning site Green=Tags(s)

MNLWLWLLYFLPVSGTLKVLPEVRLEVELGGSVFIECPLPQTHVRMYLCRQMTNPAICATVVSNIQVFKKE  
 YKRRVTLKPSLNKFLVEMTQLTKDDEGIYACGVGTNTDLGKTQKVTLNVRNEFPEYEPFDDEPTSE  
 PSPRWLHRYPEELPWLKMGHASPSGFIDKVTLSPKTEAPPVHQSTNTSVSRHPRVYGASSETPTKP  
 SALLPATAFKTSARQASRLLEASYSHHTRLHGERTPHYGSQYGREDRGLHISIPEFHILIPTFLGFLLL  
 VLLGLVVKRAIQRRRAF SRRVGRMARRMRGRGPSRQIPTQRRDAPQRPRSQNNVYSACPRRAREPDNVGS  
 AEALLNAPASAPPALPLVIETSWPHTPSLKMCEYVSLGHQPAVNVEDQDSNDYINIPGLPHLPSPKPPG  
 PRPSRQ

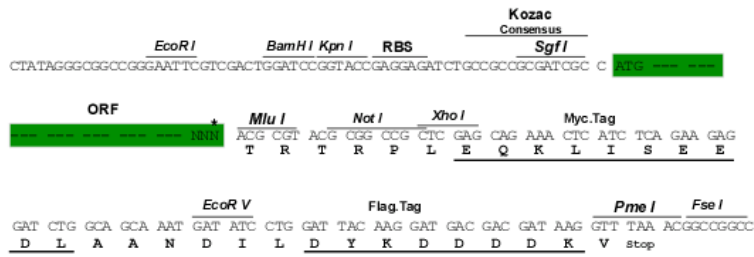
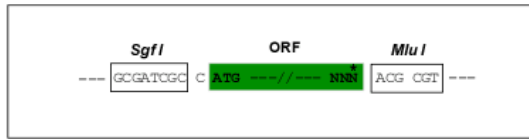
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

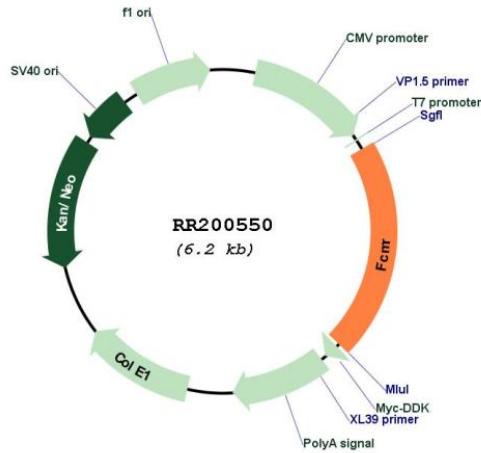
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_001014843

<b>ORF Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001014843.2</a> , <a href="#">NP_001014843.1</a>
<b>RefSeq Size:</b>	1525 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	548326
<b>UniProt ID:</b>	<a href="#">Q5M871</a>
<b>Cytogenetics:</b>	13q13
<b>MW:</b>	48.1 kDa
<b>Gene Summary:</b>	May play a role in the immune system processes. Protects cells from FAS-, TNF alpha- and FADD-induced apoptosis without increasing expression of the inhibitors of apoptosis BCL2 and BCLXL. Seems to activate an inhibitory pathway that prevents CASP8 activation following FAS stimulation, rather than blocking apoptotic signals downstream. May inhibit FAS-induced apoptosis by preventing CASP8 processing through CFLAR up-regulation (By similarity). [UniProtKB/Swiss-Prot Function]