

## Product datasheet for **MR229282**

### Fcer2a (NM\_001253739) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fcer2a (NM\_001253739) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fcer2a  
**Synonyms:** CD23; Fce2; Fcer2; Ly-42  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229282 representing NM\_001253739  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACACGCACCATACAGGATACTGGGAACCTCCTAGAAAGCGTTGCTGCTGTGCAAGACGTGGGACAC  
AGCTCATGTTGGTGGGGCTGCTGAGCACAGCAATGTGGGCTGGCCTGCTGGCCCTGCTTCTTCTGTGGCA  
CTGGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTCAGAATGTCTCTCATGTTACCAAG  
GACTTACAAAAATTCAGAGTAATCAATTGGCCAGAAAGTCCCAGGTTGTTTCAGATGTCACAAAACCTTGC  
AAGAACTCCAAGCTGAACAGAAGCAAATGAAAGCTCAGGACTCTCGGCTCTCCAGAACCTGACCCGACT  
CCAGGAGGATCTAAGGAACGCCAATCCAGAACTCAAACTCTCCAGAACCTGAACAGACTCCAAGAC  
GATCTAGTCAACATCAAAATCCCTGGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAGAACTCC  
AGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGAACTGCATGCAACATATGTCCAA  
GAACTGGCTCCATTTCCAACAGAAGTGTACTATTTTGGCAAGGGCTCCAAGCAGTGGATCCAGGCCAGG  
TTCGCCGTCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTCTGATGC  
AACACATCAACAAGAAGGATTCCTGGATTGGCTCCAGGATCTCAATATGGAGGGAGTTTGTATGGTC  
GGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGAGCCCAATAACGGGGGCCAGGGTGAGGAC  
TGTGTGATGATGCGGGATCCGGCCAGTGAACGACGCCTTCTGCCGAGCTACTTGATGCATGGGTGT  
GTGAGCAGCTGGCAACATGTGAGATATCTGCCCTTAGCCTCTGTGACTCCAACAAGGCCACCCCAAA  
AAGTGAACCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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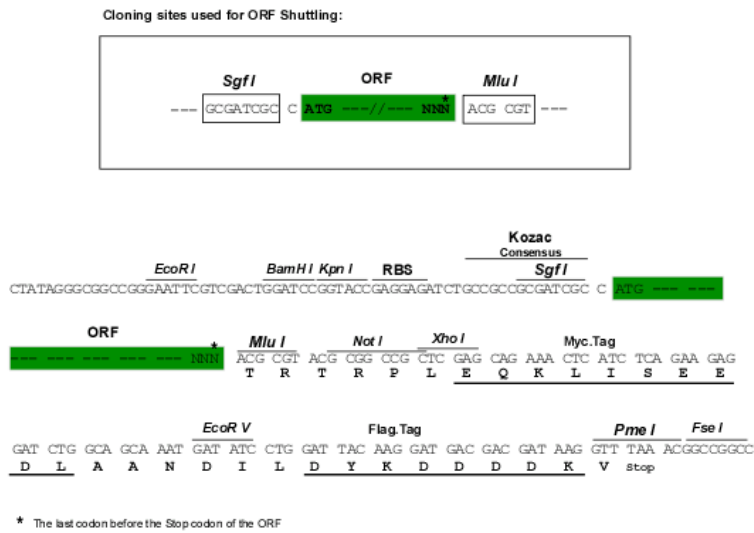
**Protein Sequence:** >MR229282 representing NM\_001253739  
 Red=Cloning site Green=Tags(s)

MDTHHTGYWEPPrKRCCARRGTQLMLVGLLSTAMWAGLLALLLWHWETEKNLKQLGDTAIQNVSHVTK  
 DLQKFQSNQLAQKSQVVQMSQNLQELQAEQKQMKAOQSRLSQLTGLQEDLRNAQSQNSKLSQNLNRLQD  
 DLVNIKSLGLNEKRTASDSLEKLQEEVAKLWIEILISKGTACNICPKNWLHFQQKCYFFGKGSQWIQAR  
 FACSDLQGRLVSIHSQKEQDFLMQHINKKDSWIGLQDLNMEGEFVWSDGSPVGYSNWNPGEPNNGGQGED  
 CVMMRGSGQWINDAFCRSYLDAWVCEQLATCEISAPLASVTPTRTPKSEP

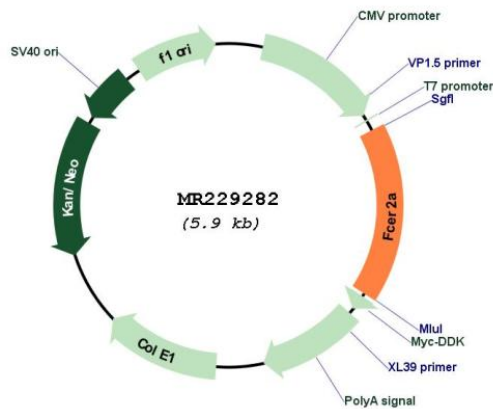
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001253739

**ORF Size:** 990 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_001253739.1</a> , <a href="#">NP_001240668.1</a>
<b>RefSeq Size:</b>	2111 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	14128
<b>UniProt ID:</b>	<a href="#">P20693</a>
<b>Cytogenetics:</b>	8 1.92 cM
<b>MW:</b>	37.9 kDa
<b>Gene Summary:</b>	Low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B-cells (it is a B-cell-specific antigen). [UniProtKB/Swiss-Prot Function]