

## Product datasheet for **MR229156**

### Fcer2a (NM\_001253745) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fcer2a (NM\_001253745) 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:** >MR229156 representing NM\_001253745  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAATTCTCAAACCAGGGATACTGGAACTCCTAGAAAGCGTTGCTGCTGTGCAAGACGTGGGACAC  
AGCTCATGTTGGTGGGGCTGCTGAGCACAGCAATGTGGGCTGGCCTGCTGGCCCTGCTTCTTCTGTGGCA  
CTGGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTCAGAATGTTGTTTCAGATGTCACAA  
AACTTGCAAGAAGCTCAAAGCTGAACAGAAGCAAAATGAAAGCTCAGGACTCTCGGCTCTCCAGAACCTGA  
CCGGACTCCAGGAGGATCTAAGGAACGCCAATCCCGAAGCTCAAAGCTCTCCAGAACCTGAACAGACT  
CCAAGACGATCTAGTCAACATCAAATCCCTGGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAG  
AACTCCAGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGGAAGTGCATGCAACATAT  
GTCCCAAGAACTGGCTCCATTTCCAACAGAAGTGTACTATTTGGCAAGGGCTCCAAGCAGTGGATCCA  
GGCCAGGTTCCGCTGCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTC  
CTGATGCAACACATCAACAAGAAGGATTCCTGGATTGGCCTCCAGGATCTCAATATGGAGGGAGAGTTTG  
TATGGTCCGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGGAGCCCAATAACGGGGGCCAGGG  
TGAGGACTGTGTATGATGCGGGGATCCGCGCAGTGGAACGACGCCTTCTGCCGAGCTACTTGGATGCA  
TGGGTGTGTGAGCAGCTGGCAACATGTGAGATATCTGCCCCCTTAGCCTCTGTGACTCCAACAAGGCCCA  
CCCCAAAAGTGAACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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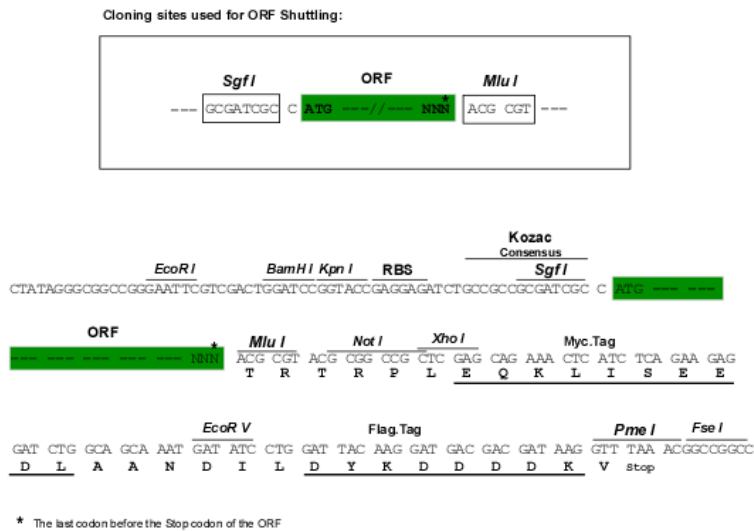
**Protein Sequence:** >MR229156 representing NM\_001253745  
 Red=Cloning site Green=Tags(s)

MNSQNQGYWEPPrKRCCARRGTQLMLVGLLSTAMWAGLLALLLWHWETEKNLKQLGDTAIQNVVQMSQ  
 NLQELQAEQKQMKQAQDSRLSQLNTGLQEDLRNAQSQNSKLSQLNRLQDDL VNIKSLGLNEKRTASDSLE  
 KLQEEVAKLWIEILISKGTACNICPKNWLHFQQKCYFFGKGSKQWIQARFACSDLQGRVSIHSQKEQDF  
 LMQHINKKDSWIGLQDLNMEGEFVWSDGSPVGYSNWNPGEPNNGGQGEDCVMMRGSQWQNDACRSYLDA  
 WVCEQLATCEISAPLASVTPTRTPKSEP

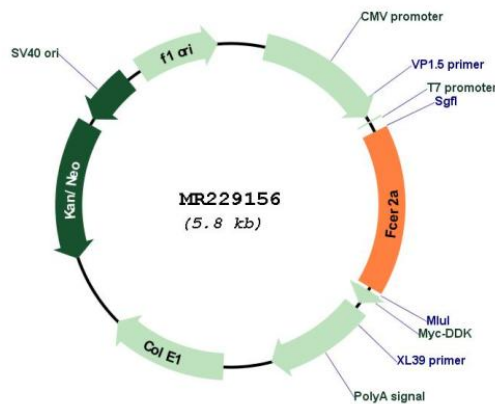
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001253745

**ORF Size:** 927 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_001253745.1</a> , <a href="#">NP_001240674.1</a>
<b>RefSeq Size:</b>	2037 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	14128
<b>UniProt ID:</b>	<a href="#">P20693</a>
<b>Cytogenetics:</b>	8 1.92 cM
<b>MW:</b>	35.5 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]