

## Product datasheet for **MC226836**

### Fcer2a (NM\_001253747) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fcer2a (NM\_001253747) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fcer2a  
**Synonyms:** CD23; Fce2; Fcer2; Ly-42  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226836 representing NM\_001253747  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGAAAATGAATACTCAGACTGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTC  
AGAATGTCTCTCATGTTACCAAGGACTTACAAAAATCCAGAGTAATCAATTGGCCAGAAAGTCCCAGGT  
TGTTTCAGATGTCAAAAACCTTGAAGAACTCCAAGCTGAACAGAAAGCAAAATGAAAGCTCAGGACTCTCGG  
CTCTCCAGAACCTGACCGGACTCCAGGAGGATCTAAGGAACGCCAATCCAGAACTCAAACCTCTCC  
AGAACCTGAACAGACTCCAAGACGATCTAGTCAACATCAAAATCCCTGGGCTTGAATGAGAAGCGCACAGC  
CTCCGATTCTCTAGAGAACTCCAGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGGA  
ACTGCATGCAACATATGTCCAAGAAGTGGCTCCATTTCCAACAGAAAGTGTACTATTTTGGCAAGGGCT  
CCAAGCAGTGGATCCAGGCCAGGTTTCGCTGCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCA  
AAAGGAACAGGACTTCTGATGCAACACATCAACAAGAAGGATTCCTGGATTGGCCTCCAGGATCTCAAT  
ATGGAGGGAGAGTTTGTATGGTCGGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGGAGCCCA  
ATAACGGGGCCAGGGTGAAGACTGTGTGATGATGCGGGGATCCGGCCAGTGAACGACGCCCTTCTGCCG  
CAGCTACTTGGATGCATGGGTGTGTGAGCAGCTGGCAACATGTGAGATATCTGCCCTTAGCCTCTGTG  
ACTCCAACAAGGCCACCCAAAAAGTGAACCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001253747  
**Insert Size:** 876 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001253747.1</a> , <a href="#">NP_001240676.1</a>
<b>RefSeq Size:</b>	2121 bp
<b>RefSeq ORF:</b>	876 bp
<b>Locus ID:</b>	14128
<b>UniProt ID:</b>	<a href="#">P20693</a>
<b>Cytogenetics:</b>	8 1.92 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (7) lacks an alternate exon in the 5' coding region, compared to variant 1. The resulting protein (isoform G) is shorter when it is compared to isoform A.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>