

Product datasheet for **MC226945**

Fcer2a (NM_001253745) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fcer2a (NM_001253745) 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: >MC226945 representing NM_001253745
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATTCTCAAACCAGGGATACTGGAACTCCTAGAAAGCGTTGCTGCTGTGCAAGACGTGGGACAC
AGCTCATGTTGGTGGGGCTGCTGAGCACAGCAATGTGGGCTGGCCTGCTGGCCCTGCTTCTTCTGTGGCA
CTGGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTCAGAATGTTGTTCCAGATGTCACAA
AACTTGAAGAAGCTCCAAGCTGAACAGAAAGCAAAATGAAAGCTCAGGACTCTCGGCTCTCCAGAACCTGA
CCGGACTCCAGGAGGATCTAAGGAACGCCAATCCCAAGACTCAAACCTCTCCAGAACCTGAACAGACT
CCAAGACGATCTAGTCAACATCAAATCCCTGGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAG
AACTCCAGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGGAAGTGCATGCAACATAT
GTCCCAAGAACTGGCTCCATTTCCAACAGAAGTGTACTATTTTGGCAAGGGCTCCAAGCAGTGGATCCA
GGCCAGGTTCCGCTGCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTC
CTGATGCAACACATCAACAAGAAGGATTCCTGGATTGGCCTCCAGGATCTCAATATGGAGGGAGAGTTTG
TATGGTCCGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGGAGCCCAATAACGGGGGCCAGGG
TGAGGACTGTGTGATGATGCGGGGATCCGCGCCAGTGAACGACGCCTTCTGCCGAGCTACTTGGATGCA
TGGGTGTGTGAGCAGCTGGCAACATGTGAGATATCTGCCCCCTTAGCCTCTGTGACTCCAACAAGGCCCA
CCCCAAAAGTGAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253745
Insert Size: 930 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001253745.1</u> , <u>NP_001240674.1</u>
RefSeq Size:	2037 bp
RefSeq ORF:	930 bp
Locus ID:	14128
UniProt ID:	<u>P20693</u>
Cytogenetics:	8 1.92 cM
Gene Summary:	<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 (5) has a different 5' end with an alternate start codon and lacks an alternate exon in the coding region, compared to variant 1. The resulting protein (isoform E) has a shorter and distinct N-terminus when it is compared to isoform A. Although variants 5 and 6 encode a protein of the same length (309 aa), the sequence of the two proteins (isoform E and isoform F) are different. Isoform E has also been called Fc epsilon receptor II subtype b variant b delta 5. 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>