

Product datasheet for **MR229281**

Fcer2a (NM_001253737) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fcer2a (NM_001253737) 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: >MR229281 representing NM_001253737
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATTCTCAAACCAGGGATACTGGGAACCTCTAGAAAGCGTTGCTGCTGTGCAAGACGTGGGACAC
AGCTCATGTTGGTGGGGCTGCTGAGCACAGCAATGTGGGCTGGCCTGCTGGCCCTGCTTCTTCTGTGGCA
CTGGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTCAGAATGTCTCTCATGTTACCAAG
GACTTACAAAAATTCAGAGTAATCAATTGGCCAGAAAGTCCCAGGTTGTTTCAGATGTCACAAAACCTTGC
AAGAACTCCAAGCTGAACAGAAGCAAATGAAAGCTCAGGACTCTCGGCTCTCCAGAACCTGACCCGACT
CCAGGAGGATCTAAGGAACGCCAATCCAGAACTCAAACCTCTCCAGAACCTGAACAGACTCCAAGAC
GATCTAGTCAACATCAAATCCCTGGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAGAACTCC
AGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGAACTGCATGCAACATATGTCCAA
GAACTGGCTCCATTTCCAACAGAAGTGTACTATTTTGGCAAGGGCTCCAAGCAGTGGATCCAGGCCAGG
TTCGCCGTCAGTGACCTGCAAGGGGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTCTGATGC
AACACATCAACAAGAAGGATTCCTGGATTGGCTCCAGGATCTCAATATGGAGGGAGTTTGTATGGTC
GGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGAGCCCAATAACGGGGGCCAGGGTGAGGAC
TGTGTGATGATGCGGGATCCGGCCAGTGAACGACGCCTTCTGCCGAGCTACTTGATGCATGGGTGT
GTGAGCAGCTGGCAACATGTGAGATATCTGCCCTTAGCCTCTGTGACTCCAACAAGGCCACCCCAAA
AAGTGAACCC

ACGGTACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229281 representing NM_001253737
 Red=Cloning site Green=Tags(s)

MNSQNQGYWEPPrKRCCARRGTQLMLVGLLSTAMWAGLLALLLWHWETEKNLKQLGDTAIQNVSHVTK
 DLQKFQSNQLAQKSQVVQMSQNLQELQAEQKQMKAOQSRLSQLTGLQEDLRNAQSQNSKLSQNLNRLQD
 DLVNIKSLGLNEKRTASDSLEKLQEEVAKLWIEILISKGTACNICPKNWLHFQQKCYFFGKGSQWIQAR
 FACSDLQGRLVSIHSQKEQDFLMQHINKKDSWIGLQDLNMEGEFVWSDGSPVGYSNWNPGEPNNGGQGED
 CVMRSGSQWDAFCRSYLDAWVCEQLATCEISAPLASVTPTRTPKSEP

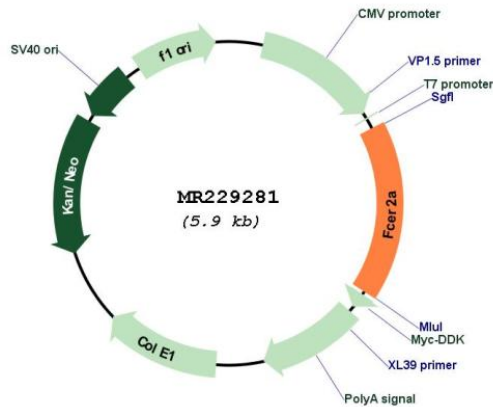
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253737

ORF Size: 990 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001253737.1 , NP_001240666.1
RefSeq Size:	2100 bp
RefSeq ORF:	993 bp
Locus ID:	14128
UniProt ID:	P20693
Cytogenetics:	8 1.92 cM
MW:	37.9 kDa
Gene Summary:	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]