

Product datasheet for **MR229047**

Fcer2a (NM_001253747) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcer2a (NM_001253747) 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:	>MR229047 representing NM_001253747 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGAAAATGAATACTCAGACTGGAAACGGAGAAGAATCTAAAACAGCTGGGAGACACTGCAATTC
AGAATGTCTCTCATGTTACCAAGGACTTACAAAAATCCAGAGTAATCAATTGGCCAGAAAGTCCCAGGT
TGTTTCAGATGTCACAAAACCTGCAAGAACTCCAAGCTGAACAGAAAGCAAATGAAAGCTCAGGACTCTCGG
CTCTCCCAGAACCTGACCGGACTCCAGGAGGATCTAAGGAACGCCAATCCCAGAACTCAAACCTCTCCC
AGAACCTGAACAGACTCCAAGACGATCTAGTCAACATCAAATCCCTGGGCTTGAATGAGAAGCGCACAGC
CTCCGATTCTCTAGAGAACTCCAGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGGA
ACTGCATGCAACATATGTCCAAGAAGTGGCTCCATTTCCAACAGAAAGTGTACTATTTTGGCAAGGGCT
CCAAGCAGTGGATCCAGGCCAGGTTTCGCTGCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCA
AAAGGAACAGGACTTCTGATGCAACACATCAACAAGAAGGATTCCTGGATTGGCCTCCAGGATCTCAAT
ATGGAGGGAGAGTTTGTATGGTCGGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGGAGCCCA
ATAACGGGGGCCAGGGTGAAGACTGTGTGATGATGCGGGGATCCGGCCAGTGGAACGACGCCCTTCTGCCG
CAGCTACTTGGATGCATGGGTGTGTGAGCAGCTGGCAACATGTGAGATATCTGCCCCCTTAGCCTCTGTG
ACTCCAACAAGGCCACCCAAAAAGTGAACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229047 representing NM_001253747
 Red=Cloning site Green=Tags(s)

MEENEYSDWETEKNLKQLGDTAIQNVSHVTKDLQKFQSNQLAQKSQVVQMSQNLQELQAEQKQMKQAQDSR
 LSQNL TGLQEDLRNAQSQNSKLSQNLNRLQDDL VNIKSLGLNEKRTASDSLEKLQEEVAKLWIEILISKG
 TACNICPKNWLHFQKCYFYGKGSKQWIQARFACSDLQGR LVS IHSQKEQDFLMQHINKKDSWIGLQDLN
 MEGEFVWSDGSPVGYSNWNPGEPNNGGQGEDCVM MRSGQW NDAFCRSYLD AWVCEQLATCEI SAPLASV
 TPTRPTPKSEP

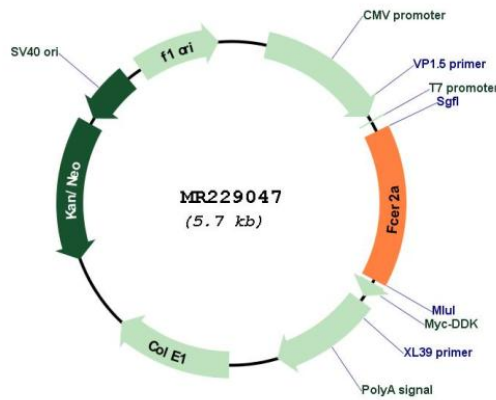
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253747

ORF Size: 873 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_001253747.1 , NP_001240676.1
RefSeq Size:	2121 bp
RefSeq ORF:	876 bp
Locus ID:	14128
UniProt ID:	P20693
Cytogenetics:	8 1.92 cM
MW:	33.5 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]