

Product datasheet for MR229125

Fcer2a (NM_001253743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcer2a (NM_001253743) 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:	>MR229125 representing NM_001253743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGAAAATGAATACTCAGCAATGTGGCTGGCCTGCTGGCCCTGCTTCTTCTGTGGCACTGGGAAA
CGGAGAAGAATCTAAAACAGCTGGGAGACTGCAATTCAGAATGTCTCATGTTACCAAGGACTTACA
AAAATTCAGAGTAATCAATTGGCCAGAAGTCCAGGTTGTTCCAGATGTCACAAAATTGCAAGAATC
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ATCTAAGGAACGCCAATCCCAGAACTCAAACCTCTCCAGAACCTGAACAGACTCCAAGACGATCTAGT
CAACATCAAATCCCTGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAGAACTCCAGGAAGAG
GTGGCAAAGCTGTGGATAGATACTGATTTCAAAGGGAAGTGCATGCAACATATGTCCCAAGAACTGGC
TCCATTTCCAACAGAAGTGTACTATTTGGCAAGGGCTCCAAGCAGTGGATCCAGGCCAGGTTCCGCTG
CAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTCCTGATGCAACACATC
ACAAGAAGGATTCCCTGGATTGGCCTCCAGGATCTCAATATGGAGGGAGAGTTTGTATGGTCGGACGGGA
GCCCTGTGGGTTATAGCAACTGGAATCCAGGGGAGCCCAATAACGGGGCCAGGGTGAGGACTGTGTGAT
GATGCGGGGATCCGGCCAGTGGAAACGACGCCTTCTGCCGAGCTACTTGGATGCATGGGTGTGTGAGCAG
CTGGCAACATGTGAGATATCTGCCCCCTTAGCCTCTGTGACTCCAACAAGGCCACCCCAAAAAGTGAAC
CC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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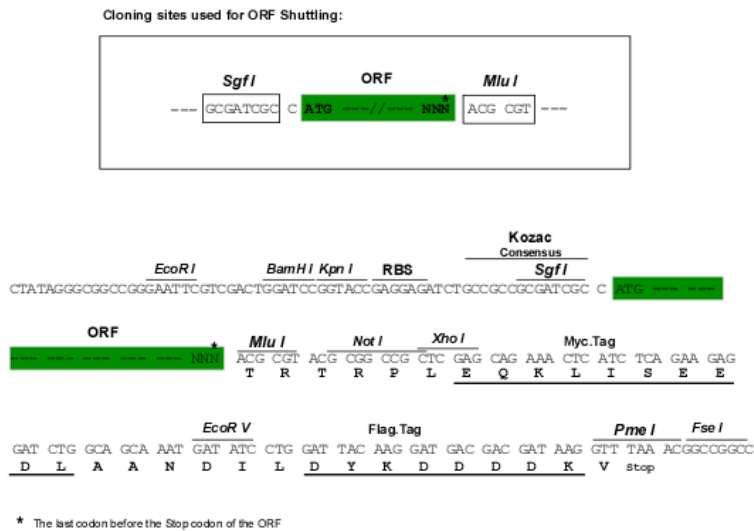
Protein Sequence: >MR229125 representing NM_001253743
 Red=Cloning site Green=Tags(s)

MEENEYSAMWAGLLALLLLWHWETEKNLKQLGDTAIQNVSHVTKDLQKFQSNQLAQKSQVVQMSQNLQEL
 QAEQKQMKQAQDSRLSQNL TGLQEDLRNAQSQNSKLSQNLNRLQDDL VNIKSLGLNEKRTASDSLEKLQEE
 VAKLWIEILISKGTACNICPKNWLHFQQKCYFFGKGSQWIQARFACSDLQGR LVS IHSQKEQDFLMQHI
 NKKDSWIGLQDLNMEGEFVWSDGSPVGYSNWNPGEPNNGGQGEDCVMMRGSQWINDAFCRSYLDAWVCEQ
 LATCEISAPLASVTPTRTPKSEP

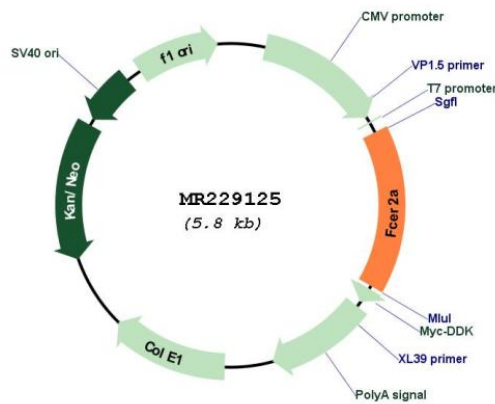
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001253743

ORF Size: 912 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_001253743.1 , NP_001240672.1
RefSeq Size:	2160 bp
RefSeq ORF:	915 bp
Locus ID:	14128
UniProt ID:	P20693
Cytogenetics:	8 1.92 cM
MW:	35 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]