

Product datasheet for **MG223746**

Fcer2a (NM_013517) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcer2a (NM_013517) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fcer2a
Synonyms:	CD23; Fce2; Fcer2; Ly-42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223746 representing NM_013517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAAGAAAAATGAATACTCAGGATACTGGGAACCTCCTAGAAAGCGTTGCTGCTGTGCAAGACGTGGGA
 CACAGCTCATGTTGGTGGGGCTGCTGAGCACAGCAATGTGGGCTGGCTGCTGGCCCTGCTTCTTCTGTG
 GCACTGGGAAACGGAGAAGAATCTAAACAGCTGGGAGACACTGCAATTCAGAATGTCTCTCATGTTACC
 AAGGACTTACAAAAATTCAGAGTAATCAATTGCCCCAGAAGTCCAGGTTGTTTCAGATGTCACAAAAT
 TGCAAGAACTCCAAGCTGAACAGAAGCAAATGAAAGCTCAGGACTCTCGGCTCTCCAGAACCTGACCGG
 ACTCCAGGAGGATCTAAGGAACGCCAATCCCAGAACTCAAACTCTCCAGAACCTGAACAGACTCCAA
 GACGATCTAGTCAACATCAAAATCCCTGGGCTTGAATGAGAAGCGCACAGCCTCCGATTCTCTAGAGAAAC
 TCCAGGAAGAGGTGGCAAAGCTGTGGATAGAGATACTGATTTCAAAGGGAAGTGCATGCAACATATGTCC
 CAAGAACTGGCTCCATTTCCAACAGAAGTGCTACTATTTTGGCAAGGGCTCCAAGCAGTGGATCCAGGCC
 AGGTTTCGCTGCAGTGACCTGCAAGGGCGACTAGTCAGCATCCACAGCCAAAAGGAACAGGACTTCTCTGA
 TGCAACACATCAACAAGAAGGATTCTGGATTGGCCTCCAGGATCTCAATATGGAGGGAGAGTTTGTATG
 GTCGGACGGGAGCCCTGTGGTTATAGCAACTGGAATCCAGGGGAGCCCAATAACGGGGGCCAGGGTGAG
 GACTGTGTGATGATGCGGGGATCCGGCCAGTGGAACGACGCCTTCTGCCGAGCTACTTGGATGCATGGG
 TGTGTGAGCAGCTGGCAACATGTGAGATATCTGCCCCCTTAGCCTCTGTGACTCCAACAAGGCCACCCCC
 AAAAAGTGAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG223746 representing NM_013517
 Red=Cloning site Green=Tags(s)

MEENEYSGYWEPPrKRCCARRGTQLMLVGLLSTAMWAGLLALLLWHWETEKNLKQLGDTAIQNVSHVT
 KDLQKFQSNQLAQKSQVVQMSQNLQELQAEQKQMKADSRLSQNL TGLQEDLRNAQSQNSKLSQNLNRLQ
 DDLVNIKSLGLNEKRTASDSLEKLQEEVAKLWIEILISKGTACNICPKNWLHFQKCYFYGKSGKQWIQA
 RFACSDLQGRLVSIHSQKEQDFLMQHINKKDSWIGLQDLNMEGEFVWSDGSPVGYSNWNPGEPNNGGQGE
 DCVMMRGSGQWDAFCRSYLDWVCEQLATCEISAPLASVTPTRPTPKSEP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013517

ORF Size: 993 bp

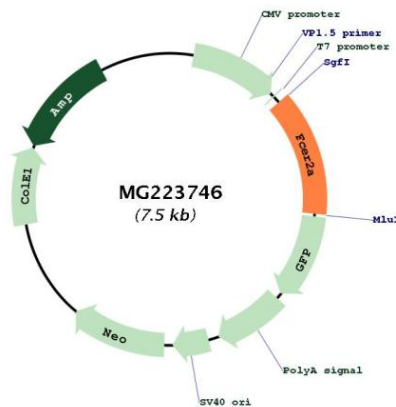
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_013517.4, NP_038545.1</u>
RefSeq Size:	2241 bp
RefSeq ORF:	996 bp
Locus ID:	14128
UniProt ID:	<u>P20693</u>
Cytogenetics:	8 1.92 cM
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]

Product images:



Circular map for MG223746