

Product datasheet for MR225268

Fcgr1 (NM_010186) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fcgr1 (NM_010186) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fcgr1
Synonyms:	AI323638; AV092959; CD64; FcgammaRI; IGGHAFc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225268 representing NM_010186 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATTCTTACCAGCTTTGGAGATGACATGTGGCTTCTAACAACTCTGCTACTTTGGGTTCCAGTCGGTG
GGGAAGTGGTTAATGCCACCAAGGCTGTGATCACCTTGCAGCCTCCATGGGTGAGTATTTCCAGAAGGA
AAATGTCACCTTTATGGTGTGAGGGCCCTCACCTGCCTGGAGACAGTTCACACAATGGTTTATCAACGGA
ACAGCCGTTCCAGATCTCCACGCCTAGTTATAGCATCCCAGAGGCCAGTTTTCCAGGACAGTGGCGAATACA
GGTGTGAGATAGTTCTCAATGCCAAGTGACCCTGTGCAGTTGCAAATCCACAATGATTGGCTGCTACT
CCAGGCCCTCCCGCAGAGTCTCACAGAAGGAGAACCCCTGGCCTTGAGGTGTACGGATGGGAAGATAAA
CTGGTGTACAATGTGGTTTTCTATAGAAATGAAAATCCTTTTCAGTTTTCTTCAGATTCCGAGGTCGCCA
TTCTGAAAACCAACCTGAGTCACAGCGGCATCTACCCTGCTCAGGCACGGGAAGACACCCTACACATC
TGCAGGAGTGTCCATCACGGTGAAAGAGCTGTTTACCACGCCAGTGTGAGAGCATCCGTGTCTATCTCC
TTCCCGGAGGGGAGTCTGGTCACCCTGAACTGTGAGACGAATTTGCTCCTGCAGAGACCCGGCTTACAGC
TTCCTTCTCCTTCTACGTGGGCAGCAAGATCCTGGAGTACAGGAACACATCCTCAGAGTACCATATAGC
AAGGGCGGAAAGAGAAGATGCTGGATTCTACTGGTGTGAGGTAGCCACGGAGGACAGCAGTGTCTTAAG
CGCAGCCCTGAGTTGGAGCTCCAAGTCTTGGTCCCAGTCATCAGCTCCTGTCTGGTTTCACATCCTGT
TTTATCTGTGAGTGGGAATAATGTTTTCGTTGAACACGGTTCTCTATGTGAAAATACACAGGCTGCAGAG
AGAGAAGAAATACAACCTAGAAGTCCCTTTGGTTTCTGAGCAGGGAAAGAAAGCAAAATCCTTTTCAGCAA
GTTAGAAGCGATGGCGTGTATGAAGAAGTAACAGCCACTGCGAGCCAGACCACACCAAAAGGAGCGCCC
ATGGACCTCGAAGCTCAGTGGGTGACTGTGGACCCGAGCAGCCTGAACCCCTTCTCCAGTGACAGTAC
TGGGCACAACTTCCCAAAGT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >MR225268 representing NM_010186
Red=Cloning site Green=Tags(s)

MILTSFGDDMWLLTLLLLWVPVGGVEVNATKAVITLQPPWVSIFQKENVTLWCEGPHLPGDSSTQWFING
TAVQISTPSYSIPEASFQDSGEYRCQIGSSMPSPVQLQIHNDWLLLQASRRVLTEGEPLALRCHGWKNK
LVYNVVYFRNGKSFQFSSDSEVAIKTNLSHSGIYHCSGTGRHRYTSAGVSIIVKELFTTPVLRASVSSP
FPEGSLVTLNCEINLLLQRPGLQLHFSFYVVGSKILEYRNTSSEYHIAERAEREDAGFYWCEVATEDSSVLK
RSPLELQVLGPQSSAPVWFHILFYLSVGMFSLNNTVLVYKIHRLQREKKYNLEVPVSEVQGGKANSFQQ
VRSDGVYEEVTATASQTPKEAPDGPRSSVGDGCGPEQPEPLPPSDSTGAQTSQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1489_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_010186

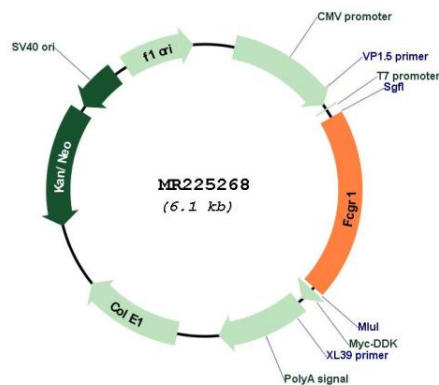
ORF Size: 1212 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_010186.5</u> , <u>NP_034316.1</u>
RefSeq Size:	2589 bp
RefSeq ORF:	1215 bp
Locus ID:	14129
UniProt ID:	<u>P26151</u>
Cytogenetics:	3 41.72 cM
MW:	45.3 kDa
Gene Summary:	High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225268