

Product datasheet for **RR202239**

Ogfr11 (NM_001025708) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ogfr11 (NM_001025708) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ogfr11
Synonyms:	MGC116379
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR202239 representing NM_001025708
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAACCTGCTCGGCGGGTACAGTTCGCGAGCCACCACCGTGGAGGACTGCGACTCCACCTGGC
 AGACCGACTCGGAGCCGAGCCTGAGCAGCCGGGCGCGCAGGCGGTGGCGAGGGCCAGGAGCAGGACGA
 GCGGGAGCAGCCGAGCAGCCTCCCGAGAGAGCCGGAGGGCGACCCCGCGCCAGTCCGGTCCCGAGGAC
 CACGCGGAGGCGGCGGGCGGAGCAGGGTGGTATTCCACGGAAGGAAATGCTAAACCAAGAGAAGCT
 TCTATGCGGGCAGGGATCTGTACAAGTACCGACATCAGTACCCAACTTCAAAGATATCCGATACCAAAA
 TGACTTGAGCAACCTTCGCTTTTATAAGAATAAAATTCGTTTAAAGCCAGATGGTGTTCATTGAAGAG
 GTTCTGAATAAGTGAAGGAGACTATGAAAAGCTAGAGCACAACCACACTTACATCCAATGGCTTTTCC
 CCCTGAGAGAACAAGGCTTGAACTTTTATGCTAAAGAATTAACCACATATGAAATGAGGAATTCAAAA
 GACAAAGGAAGCAATCAGAAGATTCCTCTTGGCTTACAAAATGATGCTAGAGTTCCTCGGGATAAAGTTG
 ATTGATAAGACTGAAATGTTGCTCGGGCCGTGAAGTGGCAAGAACGGTTTCAACATCTGAATGAGTCTC
 AGCACAACATTTAAGGATTACCCGAATTCCTAAAAGCCTTGGTGGAGCTTGGGTACGAGAGTTTTAATC
 TCCTCTGGTAAAATTCATTCTTCATGAGGCTCTCGTGGAAAACACTATCCCAATATCAAACAGAGTGCC
 CTGGAGTACTTCGTTTATACAATTCGAGACAGGAGGGAGAGGAGAAAGCTCCTGCGGTTTGGCCAGAAA
 ATTACACACCATCAGAGAATTTTATATGGGGGCCACTAAGAAAGAACAACCAGAGAGAAGCAAAGCCCA
 GAAAACACCTACTCTGCCGCTTAGGCTCGAACGGCCAACTTCTACGCACAAGAAATCTAAGGACTCC
 AAAAATTCCTCAGCAGCTAGTCACTTAAATAACAAAACAGTGAAGAAAAAAGGTGGCATCTAGAGAGC
 CCGGGGAGGAGACAGACAAGCCAAGCCAGAGGCCAGCAGTGAAGATACCAAGCCAAGAAAGGGGAA
 CGACAATGCTGCCGACCAATCAGAGTCTCCACCCAAGAAAACCGTTAATGATTCCGAGGAAAAGGGGAA
 TGTCGACGACTTCTTCTGAAAAAGATGGAGAAGGGGAAAACAGAGCAAAGACTCTGAAAAACCTGAAA
 ATACCAGTTGTCAGCTGAGGTAGTGTACAGCAAATGTCAAAACCCACAACCGATTCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202239 representing NM_001025708
 Red=Cloning site Green=Tags(s)

MGNLLGGVSFREPPTVEDCDSTWQTDSEPEPEQPGPAGGGEGQEQDEREQPEPPERAGGRPRASVPED
 HAEAAGAEQGGDSTEGNAKPKRSFYAARDLYKYRHQYPNFKDIRYQNDLSNLRFYKNKIPFKPDGVYIEE
 VLNKKWKGDYKLEHNHTYIQWLFPLREQGLNFYAKELTTYEIEEFKKTKEAIRRFLAYKMMEFFGIKL
 IDKTGNVARAVNWQERFQHLNESQHNYLRITRILKSLGELGYESFKSPLVKFILHEALVENTIPNIKQSA
 LEYFVYTIIRDRRERRKLLRFAQKHYPSENF IWGPPKKEQPERSKAQKTPTLPALGNSGQSTHKKSKDS
 KNSSAASHLNNKTVEEKKVASREPGEETDKPSPEASSEDTKPRNSEDNAADQSESPKKTVNDSAGKGE
 CPTTSSEKDGEGENQSKDSENPENTSCHAEVVSQQNVTNPQTSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025708

ORF Size: 1395 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.

RefSeq: [NM_001025708.1](#), [NP_001020879.1](#)
RefSeq Size: 1728 bp

RefSeq ORF: 1398 bp

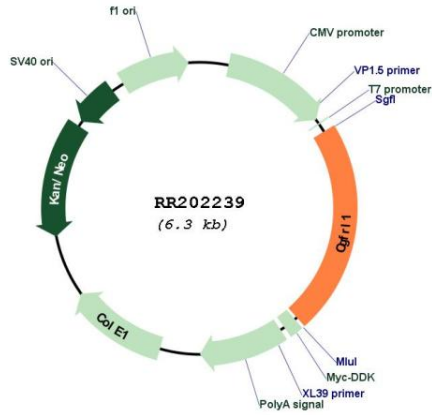
Locus ID: 316290

UniProt ID: [Q4KLH3](#)

Cytogenetics: 9q13

MW: 52.8 kDa

Product images:



Circular map for RR202239