

Product datasheet for **MR209283**

Ogfr (BC003875) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ogfr (BC003875) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ogfr
Synonyms:	2010013E17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209283 representing BC003875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGACCCGGAATGCGATTCCACTTGGGAGGACGAGAGCGAGGAGGACGGCGACGATGGCCAGGCGG
 ATGATACGACCGATGAGGACACGGGCGACGATGACGGCGACGCGAGGAGGCACGGCCAAGCCTGTTCCA
 GTCTAGGATGACAAGGTACCGAAACTGGCGTGCTATGCAGGACATGCAAAGATACCGGCACAACCTACCCG
 GATTTGACAGATCAAGACTGCAACGGAGACATGTGCAACCTGAGCTTCTACAAAAATGAGATCTGCTTCC
 AGCCAAATGGCTTCTCATTGAGGACATTTCTCAGAACTGGAAAGACAATATGACCTCTGGAAGAGAA
 TCACTCTACATCCAGTGGCTGTTTCCCCTGAGGGAACCGAGGTGAAGTGGCATGCCAAGCCCCTCACA
 CTGAAGGAGGTTGAGGCATTTAAAAGCTCAAGGAAGTCAGAGAGCGTCTGTCCGGCCTATGAGCTCA
 TGCTGGGCTTCTATGGGATCCAACCTGAGGACCGGAACACAGGCGCCGTATGCCGTGCACAGAATTTCCA
 GCCACGCTTCCACAACCTCAACAGCCACAGCCACAACAATCTGCGTATTACACGCATCTCAAGTCGCTG
 GCGAGCTGGGCTTAGAGCACTACCAGGACCCGCTGGTGCCTTCTTCTGGAGGAGACCCCTAGTACAGC
 ACAAACTGCCAGCGTTCGCCAGAGTGCCTGGACTACTTCTGTTTGGCGTGGCGTGGCCGACACAGCG
 CCGGGAGCTCGTGCACTTGTCTGGGAGCACTCAAGCCTCGCCGAGAGTTTGTCTGGGGCCCCGTGAC
 AAGCTGCGGAGGTTTCAAGCCAGACTATATCCCGCCACTGATGGGATTAGGGCAGGCAGATAAAGATG
 AGGGCCCCGGGGACCCCTCCCAAGAGGCTGGCACCAGAGTTGGACCTGTGGATCTGGAAGGGACCTGAG
 TGGGGACAGTGGAAACAGCTGAGGATCTCTACTGTTGAGCGCAAACCCAGGATGTGGGAACCTTGGAT
 GGGGACCAAGGCATGAGGCTAAGTCCCGAGTCCCAAAGAAAGCAAGAAGAGGAAGTTGGAGGGGAACA
 GGGGAGCAGGTCAGGGGAGCCAGATCCTCAGGGTGTCTCTGAGGTAGAGAAAATGCCCTCAACCT
 TGAGGGGTGTGCCCTCAGCCCTACCAGCAGGAGCCAGGGAGGCTGAACAGCCCTGTCTTGTGGCTAGG
 GTGGCTAATGAGGTAAGAAAACGAGGAAGGTGGAGGAAGGAGCTGAGGGTGTGGAGTAGCCAGTAAACA
 CTCAAGTGCAGGCCAGTGCCTGTCTCTACCCCTTCAAGTGTCTGAGTCCCAAAAGGATGGGAATGG
 GCCAGAGGACCCCAAAAGCCAGGTGGGGCCAGAAGACCCCAAAAGCCAGGTGGGGCCAGAGGACCCCAAA
 AGCCAGGTGGGGCCAGAGGACCCCAAAAGCCAGGTGGGGCCAGAGGACCCCAAAAGCCAGGTGGGGCCAG
 AGGACCCCAAAAGCCAGGTGGGGCCAGAGGACCCCAAAAGGTCAGGTGGGGCCAGAGGACCCCAAAAGCCA
 GGTGGGGCCAGAGGACCCCAAAAGCCAGGTGGAGCCAGAGGACCCCAAAAGCCAGGTGGGGCCAGAGCAA
 GCTGCCTCTAAGAGCCTGGGAGAGGATCCTGACTGACTACAGGAACCTCAATGAGTGAGTCAGAGG
 AGTTGGCAAGGATTGAGGCTCTGTTGAACCCCAAGCCT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209283 representing BC003875
 Red=Cloning site Green=Tags(s)

MDDPECDSTWEDESEEDGDDGQADDTTDEDTGDDDGDAEEARPSLFSQSRMTRYRNWRAMQDMQRYRHNY
 DLTDQDCNGDMCNLSFYKNEICFQPNGFLIEDILQNKDNYDLLEENHSYIQWLFPLREPGVNWHA
 LPLT LKEVEAFKSSKEVRERLVRAYELMLGFYGIQLEDRNTGAVCRAQNFQPRFHNLSHSHNNLRITRILKSL
 GELGLEHYQAPLVRFFLEETLVQHKLPSVRQSALDYFLFAVRCRHQRRELVHFAWEHFKPRREFVWGPRD
 KLRRFRPQTI SRPLMGLQADKDEGPGDPSQEAGTQSWTCGSGRDLSGDSGTAEDLSLLSAKPQDVGTL
 GDQRHEAKSPSPKESKRRKLEGNRQEQVGPDPQGVSEVEKIALNLEGCALSPTSQEPREAEQPCLVAR
 VANEVRRRKRVEEGAEGDGVASNTQVQASALSPTPSECPESQKDNQNGPEDPKSQVGPEDPKSQVGPEDPK
 SQVGPEDPKSQVGPEDPKQVGPEDPKQVGPEDPKSQVGPEDPKSQVGPEDPKSQVGPEDPKSQVGPEDPK
 AASKSLGEDPDSDTTGTSMSESEELARIEASVEPPKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: BC003875

ORF Size: 1791 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: [BC003875.1](#)
RefSeq Size: 2120 bp

RefSeq ORF: 1793 bp

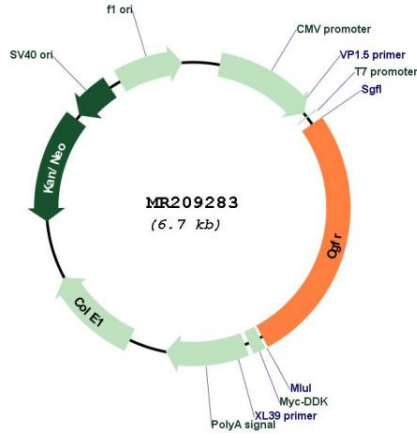
Locus ID: 72075

Cytogenetics: 2 H4

MW: 77.7 kDa

Gene Summary: Receptor for opioid growth factor (OGF), also known as Met-enkephalin. Seems to be involved in growth regulation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209283