

Product datasheet for **RR206956**

Gfra2 (NM_012750) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfra2 (NM_012750) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfra2
Synonyms:	Retl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206956 representing NM_012750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATCTTGGCAAACGCCTTCTGCCTCTTCTTCTTTTAGACGAAACCTCCGCTCTTTGGCCAGCCCTT
 CCTCCCTGCAGGGCTCTGAGCTCCACGGCTGGCGCCCAAGTGGACTGTGTCCGGGCAATGAGCTGTG
 TCGGGTGAATCCAACCTGAGCTCCAGGTACCGCACCTTCGGCAGTGCCTGGCAGGCGGGATCGCAAT
 ACCATGCTGGCAATAAGGAGTGCCAGGACGCCCTGGAGGTCTTGCAGGAAAGCCCACTGTATGACTGCC
 GCTGCAAGCGGGCATGAAGAAGGAGCTGCAGTGTCTGCAGATCTACTGGAGCATCCATCTGGGGCTGAC
 AGAGGGTGAGGAGTTCTATGAAGCTTCCCCTATGAGCCTGTGACCTCGCGCTCTCGGACATCTCAGG
 CTCGCTTCAATCTTCTCAGGGACAGGGACAGCCCGGGTCCAGTACCAAAAGCAACCACTGCCTGGATG
 CCGCAAGGCCTGCAACCTGAATGACAACCTGCAAGAAGCTTCGCTCCTTATATCTCCATCTGCAACCG
 TGAGATCTCTCCACCGAACGCTGCAACCGCCGCAAGTCCACAAGGCTCTGCGCCAGTTCTTTGACCGT
 GTGCCAGCGAGTATACCTACCGCATGCTTCTGCTCCTGTGAGGACAGGCATGTGCTGAGCGTCCGC
 GGCAAACCATCTGCCAGTTGCTCCTATGAGGACAAGGAGAAGCCCAACTGCCTGGACCTGCGCAGCCT
 GTGTCGTACAGACCACCTGTGCCGGTCCCGACTGGCAGATTTCCACGCCAACTGTGAGCCTCCTACCGG
 ACAATCACCAGCTGTCTGCGGACAACCTACCAGGCATGTCTGGGCTCCTATGCTGGCATGATTGGGTTTG
 ATATGACACCCAACCTATGTGGACTCCAACCCACGGGCATCGTGGTGTCTCCCTGGTGAATTGTCGTGG
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 GCCATTCAGGCCCTTTGGTAATGGCACAGATGTGAACATGTCTCCAAAGGCCCTCACTCCAGCTACCC
 AGGCCCTCGGGTGGAGAAGACTCCTTCACTGCCAGATGACCTCAGTGACAGCACCAGCTGGGGACCG
 GTGCATCACACCTGCACATCTATCCAGGAGCAAGGGCTGAAGGCCAACAACCTCCAAAGAGTTAAGCATG
 TGCTTACAGAGCTCACGACAAACATCAGTCCAGGGAGTAAAAAGGTGATCAAACCTAACTCAGGCTCCA
 GCAGAGCCAGACTGTCGGCTGCCTTGACTGCCCTCCCACTCCTGATGCTGACCTTGGCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206956 representing NM_012750
 Red=Cloning site Green=Tags(s)

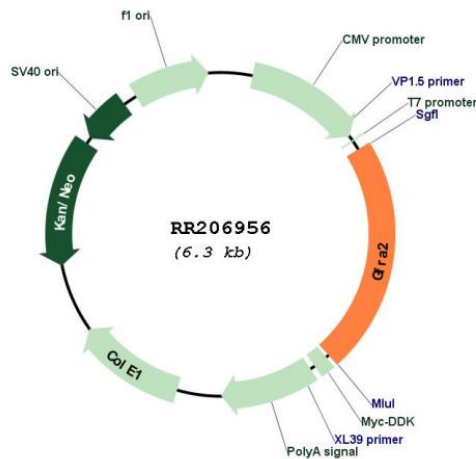
MILANAFCLFFFLDETLRSLASPSLQGSSELHGWRPQVDCVRANELCAAESNCSSRYRTLRLQCLAGRDRN
 TMLANKECQAALVLEQLQESPLYDCRCKRGMKELQCLQIYWSIHLGLTEGEEFYEASPYEPVTSRLSDIFR
 LASIFSGTGTDPAVSTKSNHCLDAAKACNLNDNCKLRSSYISICNREISPTERCNRRKCHKALRQFFDR
 VPSEYTYRMLFCSCQDQACAEERRRQITLPCSYEDKEKPNCLDLRSLCRTDHLCRSRLADFHANCRASYR
 TITSCPADNYQACLGSYAGMIGFDMTPNYVDSNPTGIVVSPWCNCRGSGNMEECEKFLRDFTENPCLRN
 AIQAFNGTVDNMSPKGPSLPATQAPRVEKTPSLPDDLSDSTSLGTSVITTCSTSIQEQLKANNKELSM
 CFTELTNISPGRKVIKLNSSSRARLSAALTALPLLMLTLAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_012750

ORF Size: 1392 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_012750.1](#), [NP_036882.1](#)

RefSeq Size: 2787 bp

RefSeq ORF: 1395 bp

Locus ID: 25136

Cytogenetics: 15p11

MW: 51.7 kDa

Gene Summary: stimulates c-Ret tyrosine phosphorylation by mediating a crosslink with GDNF of c-Ret [RGD, Feb 2006]