

## Product datasheet for **RR200905**

### Gfra3 (NM\_053398) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gfra3 (NM_053398) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfra3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR200905 representing NM_053398 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCTCTCCCGAGCCCGGACCGCCCGCGCTAGTGATCCTGCTACTGGTGCTGTGCGTGTGGCTAC  
CCCTTGGAAACAGGAACTCCCTTCCCACAGAGAACAGGCTTGTGAACAGCTGTACCCAGGCCAGAAAAA  
ATGCGAGGCTAATCCCGTTGCAAGGCTGCCTACCAGCACCTGGACTCCTGCACCCCACTCTCAGCAGT  
CCAATGCCCTCAGGGGAGTCTGCCACATCTGCAGCGTGCCTTGAAGCAGCACAGCAACTCAGGAACAGCT  
CTCTCATAGACTGCAGGTGCCACCGCGCATGAAGCACCAGCTACCTGTCTGGACATTTATTGGACCGT  
TCAACCCTGTCCGAAGCCTTGGTGACTACGAGTTGGACGTCTCACCTATGAAGACACAGTGACCAGCAAA  
CCCTGGAAAATGAATCTCAGCAAGCTGAGCATGCTCAAACCAGACTCCGACCTCTGCCTCAAATTTGCTA  
TGCTGTGTAATCTTAACGACAAGTGCAGCCGCTCCGAAAGGCCTACGGGGAGGCGTGTGTCAGGGATCCG  
CTGCCAGCGCCACCTCTGCCTAGCTCAGCTGCGCTCCTTCTCGAGAAGGCGGCAGAGTCCCACGCTCAG  
GGCCTGCTGTGTCCCTGTGCACCCGAAGATGCGGGCTGTGGGGAGCGCCGGCGCAACACCATCGCCC  
CCAGTTGCGCCCTCCCGTCTGTGGCCCCAACTGCCTAGATCTTCGGAGCTTCTGCCGTGCGGACCTCT  
GTGCAGATCACGCTGATGGACTTCCAGACCCACTGCCACCCTATGGACATCCTCGGGACTTGTGCAACT  
GAGCAGTCCAGATGTCTGCGGGCATACTGGGGCTAATTGGGACTGCCATGACCCCAAATTCATCAGCA  
AGGTCAACACTACTGTTGCCTTAGGCTGTACCTGCCGAGGCAAGTGGCAACCTGCAGGACGAGTGTGAACA  
GCTGGAAAAGTCTTCTCCCAGAACCCCTGCCTCATGGAGGCCATTGCGGCTAAAATGCGTTTCCACAGA  
CAACTTCTCTCCAGGACTGGGGGACTCTACTTTTTCTGTGATGCAGCAGCAGAACAGCAGCCCTGCTC  
TGAGGCCCCAGCTCAGGCTACCCGTTCTGTCTTCTTTCATCCTTACCTTGATTCTGCTGCAGACCCCTCTG  
GG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200905 representing NM\_053398  
Red=Cloning site Green=Tags(s)

MGLSRSPRPPLVILLVLSLWPLGTGNSLPTENRLVNSCTQARKKCEANPACKAAAYQHLDSCTPSLSS  
 PLPSGESATSAACLEAAQQLRNSSLIDCRCHRRMKHQATCLDIYVTVHPVRSGLGDYELDVSPYEDTVTSK  
 PWKMNL SKLSMLKPDSDLCLKFAMLCTLNKCDRLRKAIGEACSGIRCQRHLCLAQLRSFFEKAAESHAQ  
 GLLLCPAPEDAGCGERRRNTIAPSCALPSVAPNCLDLRSFCRADPLCRSRLMDFQTHCHPMDILGTCAT  
 EQSRCLRAYLGLIGTAMTPNFISKVNTTVALGCTCRGSGNLQDECEQLEKSF SQNPCLMEAIAAKMRFHR  
 QLF SQDWADSTFSVMQQNSSPALRPQLRLPVL SFFIL TLILLQTLW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1641\\_d11.zip](https://cdn.origene.com/chromatograms/ja1641_d11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_053398

**ORF Size:** 1191 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\\_053398.1](#), [NP\\_445850.1](#)

**RefSeq Size:** 2070 bp

**RefSeq ORF:** 1194 bp

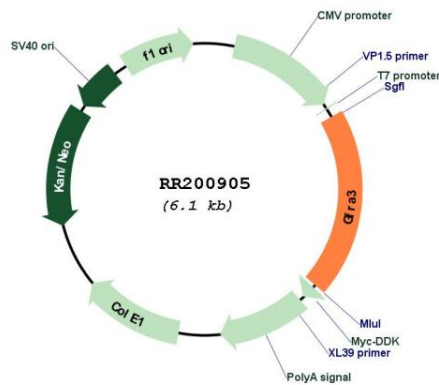
**Locus ID:** 84422

**Cytogenetics:** 18p12

**MW:** 44.1 kDa

**Gene Summary:** responsible for neuronal cell protection and cell survival in the inner ear [RGD, Feb 2006]

**Product images:**



Circular map for RR200905