

Product datasheet for **MG206230**

Gfra3 (BC066202) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfra3 (BC066202) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gfra3
Synonyms:	GFRalpha3; Y15110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206230 representing BC066202 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCTCCTGGAGCCCGGACCTCCACTGCTGATGATCCTGCTACTGGTGTGTCGTTGTGGCTGC
CACTTGGAGCAGGAACTCCCTTGCCACAGAGAACAGGTTTGTGAACAGCTGTACCCAGGCCAGAAAGAA
ATGCGAGGCTAATCCCGTTGCAAGGCTGCCTACCAGCACCTGGGCTCCTGCACCTCCAGTTAAGCAGG
CCGCTGCCCTTAGAGGAGTCTGCCATGTCTGCAGACTGCCTAGAGGCAGCAGAACAACCTCAGGAACAGCT
CTCTGATAGACTGCAGGTGCCATCGGCGCATGAAGCACCAAGCTACCTGTCTGGACATTTATTGGACCGT
TCACCCTGCCGAAGCCTTGGTGACTACGAGTTGGATGTCTCACCTATGAAGACACAGTGACCAGCAAA
CCCTGGAAAATGAATCTTAGCAAGTTGAACATGCTCAAACCAGACTCGGACCTCTGCCTCAAATTTGCTA
TGCTGTGTAATCTTACGACAAGTGTGACCGCCTGCGCAAGGCCTACGGGGAGGCATGCTCAGGGATCCG
CTGCCAGCGCCACCTCTGCCTAGCCCAGCTGCGCTCCTTCTTTGAGAAGGCAGCAGAGTCCCACGCTCAG
GGTCTGCTGTGTCCCTGTGCACCAGAAGATGCGGGCTGTGGGGAGAGGCGCGTAACACCATCGCCC
CCAGTTGCGCCCTGCCTTCTGTAAACCCCAATTGCCTGGATCTGCGGAGCTTCTGCCGTGCGGACCTTT
GTGCAGATCACGCTGATGGACTTCCAGACCCACTGTCATCCTATGGACATCCTTGGGACTTGTGCAACT
GAGCAGTCCAGATGTCTGCGGGCATACTGGGGCTGATTGGGACTGCCATGACCCAAACTCATCAGCA
AGGTCAACACTACTGTTGCCTTAAGCTGCTCCTGCCGAGGCAGCGCAACCTACAGGACGAGTGTGAACA
GCTGAAAAGGTCCTTCTCCAGAACCCCTGCCTCGTGGAGGCCATTGCAGCTAAGATGCGTTTCCACAGA
CAGCTCTTCTCCAGGACTGGGCAGACTCTACTTTTTCAGTGGTGCAGCAGCAGAACAGCAACCCTGCTC
TGAGACTGCAGCCAGGCTACCCATTCTTTCTTCTCCATCCTTCCCTTGATTCTGCTGCAGACCCTCTG
G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206230 representing BC066202
 Red=Cloning site Green=Tags(s)

MGLSWSRPPLLMILLVLSLWPLGAGNSLATENRFVNSCTQARKKCEANPACKAAYQHLGSCSSLSR
 PLPLEESAMSADCLEAAEQLRNSSLIDCRCHRRMKHQATCLDIYWTVHPARSLGDYELDVSPYEDTVTSK
 PWKMNL SKLNMLKPDSDLCLKFAMLCTLHDKCDRLRKAYGEACSGIRCQRHLCLAQLRSFFEKAAESHAQ
 GLLLCPAPEDAGCGERRRNTIAPSCALPSVTPNCLDLRSFCRADPLCRSRLMDFQTHCHPMDILGTCAT
 EQSRCLRAYLGLIGTAMTPNFISKVNTTVALSCSCRGSGNLQDECEQLERSFSQNPCLVEAIAAKMRFHR
 QLFSQDWADSTFSVVQQNSNPALRLQPRLPILSFSILPLILLQLTW

TRTRPLE - GFP Tag - V

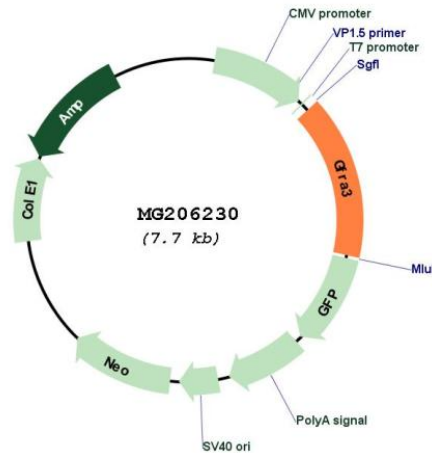
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC066202

ORF Size:	1193 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:	<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:	BC066202 , AAH66202
RefSeq Size:	2006 bp
RefSeq ORF:	1193 bp
Locus ID:	14587
Cytogenetics:	18 B1
Gene Summary:	This gene encodes a cell surface glycoprotein and member of the glial cell line-derived neurotrophic receptor (GDNFR) family of proteins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein mediates binding of the ligand artemin to the ret receptor tyrosine kinase, and this interaction may regulate thermal pain and axon regeneration. Homozygous knockout mice for this gene exhibit impaired proliferation of cultured neuroblasts and impaired development of the superior cervical ganglion. [provided by RefSeq, Aug 2015]