

Product datasheet for **MC201928**

Gfra3 (NM_010280) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfra3 (NM_010280) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gfra3
Synonyms:	GFRa; GFRalpha3; Y15110
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC066202 sequence for NM_010280
 GCCCACGACCCTAGTGGGAGAGTGGCGGCCCGCAGGAGGGGCGGGAGGCGCGGTGGGAGGTGTCGGC
 CGAGGGAGCCCAGCTCTCCGAGTCTGTGCACCAAGGCAGGGGAACGCGGCCAGCGCAGGCAGAGCG
 CTGTCCGATCCCAGGGCTCCACCCGCCATGGGGCTCTCTGGAGCCCGACCTCCACTGCTGATGATCC
 TGCTACTGGTGTGTCGTTGGCTGCCACTTGGAGCAGGAACTCCCTTGCCACAGAGAACAGGTTTGT
 GAACAGCTGTACCCAGGCCAGAAAGAAATGCGAGGCTAATCCCCTTGAAGGCTGCCTACCAGCACCTG
 GGTCCTGCACCTCCAGTTTAAAGCAGGCCGCTGCCCTTAGAGGAGTCTGCCATGTCTGCAGACTGCCTAG
 AGGCAGCAGAACAACCTCAGGAACAGCTCTGTATAGACTGCAGGTGCCATCGGCGCATGAAGCACCAAGC
 TACCTGTCTGGACATTTATTGGACCGTTACCCTGCCCGAAGCCTTGGTGACTACGAGTTGGATGTCTCA
 CCCTATGAAGACACAGTGACCAGCAAACCTGGAAAATGAATCTTAGCAAGTTGAACATGCTCAAACAG
 ACTCGGACCTCTGCCTCAAATTTGCTATGCTGTGACTCTTACGACAAGTGTGACCGCCTGCGCAAGGC
 CTACGGGGAGGCATGCTCAGGGATCCGCTGCCAGCGCCACCTCTGCCTAGCCAGCTGCGCTCCTTCTTT
 GAGAAGGCAGCAGAGTCCCAGCTCAGGGTCTGCTGCTGTGTCCTGTGCACCAGAAGATGCGGGCTGTG
 GGGAGAGGCGGCGTAACACCATCGCCCCAGTTGCGCCCTGCCTTCTGTAACCCCAATTGCCTGGATCT
 GCGGAGCTTCTGCCGTGCGGACCCTTTGTGCAGATCACGCCTGATGGACTTCCAGACCCACTGTCATCCT
 ATGGACATCCTTGGGACTTGTGCAACTGAGCAGTCCAGATGTCTGCGGGCATACCTGGGGCTGATTGGGA
 CTGCCATGACCCAAACTTCATCAGCAAGTCAACACTACTGTTGCCTTAAAGCTGCTCCTGCCGAGGCAG
 CGGCAACCTACAGGACGAGTGTGAACAGCTGGAAGGTCTTCTCCAGAACCCCTGCCTCGTGGAGGCC
 ATTGCAGCTAAGATGCGTTTCCACAGACAGCTCTTCTCCAGGACTGGGCAGACTCTACTTTTTCAGTGG
 TGCAGCAGCAGAACAGCAACCCCTGCTCTGAGACTGCAGCCAGGCTACCCATTCTTTCTTCTCCATCCT
 TCCCTTGATTCTGCTGCAGACCTCTGGTAGCTGGGCTTCTCAGGGTCTTTGCTCCTCACCACACC
 CAGACTGATTTGCAGCCTGTGGTGGGAGAGAAGTCCGAGCAGTCCCGTCTGCTCCAGAAGAGGCTTAGAAGT
 GAGGCAACCCGGAACCAACCAGGCATTCCGAGCAGTCCCGTCTGCTCCAGAAGAGGCTTAGAAGT
 CTGTGACCCCTCCGATCCTGAGCGGCTAGTTTTCAAACCTCCCTTGCCTGCTTCTCCGGCTCAGGC
 TGCTCCTCCTTAGACTTTGTGGTCCAGTTTTGCCTTCTGTTCTGATGGTGATTAGCGTCTCACCTCCA
 GCGCTTCTTCTGTTTCCAGGACCACCCAGAGGCTAAGGAATCAGTCATTCCCTGTTGCCTTCTCCAGG
 AAGGCAGGCTGAGGGTCTGAGGTGACTGAGAAAGATGTTTGTCTTATGTGAAGGCTGGTCTCCAGGC
 TCCACGTCCTCTGAATGGAAGATAAAACCTGCTGCTGCTTACTGCTCTGCCAGGCAATCCTGAACA
 TTTGGGCATGAAGAGCTAAAGTCTTTGGTCTTGTTTAACTCCTATTACTGTCCCAAAATCCCCTAGTC
 CCTTGGGTGATGATTAACATTTTACTTAGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_010280

Insert Size: 1194 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC066202](#), [AAH66202](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1194 bp

Locus ID: 14587

UniProt ID: [O35118](#)

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]