

Product datasheet for **RN216554**

Gfral (NM_001191998) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfral (NM_001191998) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gfral
Synonyms:	RGD1565220
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216554 representing NM_001191998 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTAGTGTTCATTTTCCTGGCCGTGAGGCTAAGCTCAGAAAACGAATCCTCTTCCAAACAAATGATT
GTGCATATTTTCATGCGGCAATGCTTGACTGATACAGATGGCTGTAAGCAGTCATGGAGATCAATGGAAGA
CGCCTGCCTTGTCTCAGGTGACTCCTGCAAGATAAATAATCCATTGCCTTGTAACTGAGTATCCAGTCT
TTGGTGGAAAAACATTTTCAATTTAAAGGGTGTCTTTCGACTGATGATCTCCACTGTACAGTAAACAAAA
TTTTTGGAAAAAAGTGCACCAATAAGACAGATAGCATGAAAAAGATAATAAATACAAACGGAATCTAAC
TACTCCTTTATATCATGATACAGGATTCAAACAGATGCAGTCTTGTGGAAAGTGACAGAGGCGTGTGTA
GGGGATGTGGTTTGAATGCACAGTTGGCCCTTACCTTAAAGCATGCACAGCAAATGGAAATCTGTGTG
ATGTGAAACACTGCCAAGCGGCCATACGGTTCTTCTATCAAAAATATGCCTTTTAACTGCCAGATGTT
GGCTTTTTGTGACTGTGCTCAATCTGATATACCCTGTCAACAATCCAAAGAAACTCTTACAGCAAGCCA
TGTGCACTGAACGTAGTCCACCCCACTTGCCTCAGTGAATTCACACTTGCCGAAATGATGAATTAT
GCAGGACATACTACCGAACATCCAGACAGAATGCTGGCCCCATGTGGCTGGGAAGTGTGCGTGAAGATGA
GACCTGCATTAGTATGCTGGGCAAGCAAGACCTTACTTGTCTGGGAGTGACAGCTGCAGGCAGCCTAC
CTAGGAACCTTCGGGACAGTCCCTCAGGTGCCGTGTCTTGCAGAAGCATCACACAGGTTGAAGAACCCT
TGTGCATGGCTTCCAGCACATGCTTACAGCAAATCATGTTTCAATTACCCAACCTTAATGTCAAAGA
CATTTCTCATATGAAAGAAAGCATTCAAAGAAATTACCTGACTGGATTCAATTCTCCCTTCAAGTGA
GAACTAATCTATGTTGTTGTGTCATGGTATACCAGCGGGATTCTTTCCTTGGTGTGCTCAAGCTAA
GGATACCTAGTAAGAAAAGAGACCCCGGCCCATCGAAAATAGCTGGAGCTGTCATCATTCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001191998
Insert Size:	1185 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191998.1</u> , <u>NP_001178927.1</u>
RefSeq Size:	1185 bp
RefSeq ORF:	1185 bp
Locus ID:	501023
UniProt ID:	<u>D3ZB94</u>
Cytogenetics:	8q24
Gene Summary:	Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (Probable). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKT- signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function]