

## Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | mGfral           |
| Accession:     | NP_995316        |
| Insert size:   | 1195bp           |
| Concentration: | 10µg at 0.2µg/µL |

## mGFR alpha-like cDNA Plasmid

Gfral GDNF family receptor alpha like [ *Mus musculus* (house mouse) ]

Also known as: Gral; AY457637

### Summary:

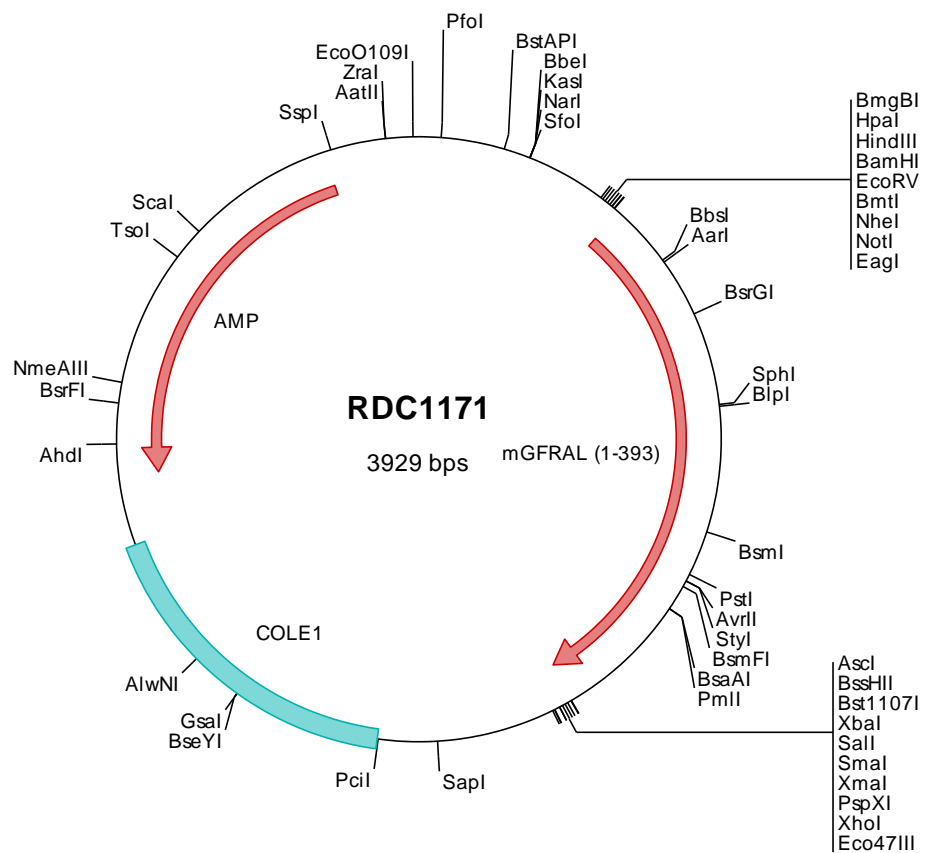
GFRAL is a member of the glial cell line-derived neurotrophic factor (GDNF) receptor family of proteins. It is expressed on both fetal and adult neurons of the CNS, and would appear to function as an anti-apoptotic molecule during neuronal stress.

## Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

## Preparation and Storage

|             |   |
|-------------|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5                           |
| Shipping    | Ships at ambient temperature  |
| Stability   | 1 year from date of receipt when stored at -20°C to -80°C           |
| Storage     | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |





> RDC1171 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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701 tggatgaact ccactgtaca gtaaacaaac tttttggaaa aaagtgcacc aataagacag ataacatgga aaaggacaat aaagataaat ggaatctaac
801 tactactcct ttctatcatg gattcaaaac gatgcagctc tggttgagg tgacagagcc gtgtgtaggg gatgtggttt gtaatgcaca gttggccctt
901 taacctaaag catgctcagc aaatggaaat ctgtgtgatg tgaaacactg ccaagcagcc atacggttct tctatcaaaa tatgcctttt aacctgccc
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1101 ccccacttgc ctcaagttaa ttcaacttgc cggaaatgat gaattatgca ggacacacta cogaacatto cagacagaat gctggcccca cataactggg
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1301 ggacagctct gcaagtacc tgtgtctgca ggggcttac acagggtgaa gaacacgtgt gcaatgtttt ccagcacatg cttcatagca aatcgtgttt
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2001 agggcgtaat acggttatcc acagaatcag aggataaacg aggaaagAAC atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa agcccgctt
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2601 gagttggtag ctcttgatcc ggcacacaaa ccaccgctgg tagcgggtgt tttttgttt gcaagcagca gattacgcgc agaaaaaag gatctcaaga
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3001 gataccgca gaccacgct caccgctc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgct
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3601 acccactcgt gcacccact gatctctcagc atcttttact ttccactagc atcttttact ttctttggtg agcaaaaaa ggaaggcaaa atgcccgaaa aaaggaata
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3901 aataggcgt atcacgagc cctttcgtc

> RDC1171 Translated Insert Sequence

1 mlvfiflavt lssenesssq tndcahliq clidangceg swrsmedtcl tpgdsckinn slhcnlsiq lveknfqfke clcmdllhct vnklfgkct
101 nktdnmekdn kdkwnlnttp fyhgfkmqms clevteacv dvvcnaqlal ylkacsangn lcdvkhcqa irffynmpf ntaqmlafcd caqsdipccg
201 sketlshskpc alnivppptc lsvihtcrnd elcrthyrtf qtecwhitg kchedetcis mlgkqdlctc gsescrafl gtfgtvlvvp cacrgrvtgae
301 ehvcmifqhm lshskscfnyp tpnvkdisy ekkskeitl tgfnsffnge llyvvvcma tcgilflvml klriqsekrd pssieiaaggv iiq