

Product datasheet for **RC222277**

GRLF1 (ARHGAP35) (NM_004491) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRLF1 (ARHGAP35) (NM_004491) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GRLF1
Synonyms:	GRF-1; GRLF1; P190-A; P190A; p190ARhoGAP; p190RhoGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222277 representing NM_004491 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGATGGCAAGAAAGCAAGATGTCCGAATCCACCTACAACATCAGTGTGGTGGGATTATCTGGGA
CCGAGAAGGAAAAGGCCAGTGTGGGATTGAAAGTCTTGTTTGTGCAACCGCTTCGTGCGCCCGAGTGC
TGACGAGTTTCACTTGGACCATACTCCGTCCTCAGCACCAGTGACTTTGGAGGGCGAGTGGTCAATAAT
GACCACTTCTCTACTGGGGAGAAGTTAGCCGCTCCCTGGAGGATTGTGTGGAATGTAAGATGCACATTG
TGGAGCAGACTGAATTTATTGATGATCAGACTTTTCAACCTCATCGAAGCACGGCCCTGCAGCCCTATAT
CAAGAGAGCTGCTGCGACCAAGCTTGCATCAGCTGAAAACTCATGTACTTTTGCAGTACCCAGCTGGG
CTGGAGCAGGACTTTGAGCAGAAACAAATGCCAGACGAAAGCTGCTGGTTGATGGTTTTCTTCTGGTA
TTGATGTTAGCAGGGCATGAATAGGAACCTTGTGACCAAGTGTCTCCAATCTTACAATCA
GCTTGCAAAAACAAAAAGCCATAGTGGTGGTCTGACTAAGTGTGACGAAGGTGTTGAGCGGTACATT
AGAGATGCACATACTTTTGCCTTAAAGCAAAAAGAACCTCCAGGTTGTGGAGACCTCAGCGAGATCCAATG
TAAACGTGGACTTGGCTTTCAGCACCTTAGTGAACCTCATTGATAAAAGTCCGGGAAGACAAAAATCAT
TCCTTATTTTGAAGCTCTCAAGCAGCAGAGTCAGCAGATAGCTACAGCAAAAGACAAGTATGAGTGGCTG
GTGAGTCGATTGTGAAAAACCACAATGAGAAGTGGCTGAGTGTGACCCGAAAGATGCAGGCCCTCCAG
AATACCAGGACTATGACTACCTGGAAGGACTCAGAAAGCAAGAAGCTGTTTTTACAGCACATCCACCG
CCTCAAGCATGAGCATATCGAGCGTAGGAGAAAGCTGTACCTGGCAGCCCTGCCATTAGCTTTTGAAGCT
CTTATACCTAATCTAGATGAAATAGACCACCTAGGCTGCATAAAAGCCAAAAAGCTCTTAGAAACCAAGC
CAGAATCTTGAAGTGGTTTGTGTGCTTGAAGAGACCCCATGGGATGCCACCAGTACATTGACAACAT
GGAAAACGAACGGATTCCCTTTGATTTAATGGATACCGTCCCTGCAGAGGCACTATACGAGGCCCACTTA
GAGAAGCTGAGGAACGAAAGGAAAAGATTGAGATGCGAAGGGCGTTTAAAGAAAACCTGGAGACTTCTC
CTTTCATAACTCCCGAAAGCCTTGGGAAGAGGCCGTAGTTTTATTATGAATGAGGATTTCTACCAGTG
GCTGGAGGAATCTGTATACAGGATATTTATGGCAAAACCAAAAAGCAAATTATAGATAAAGCAAAGGAA

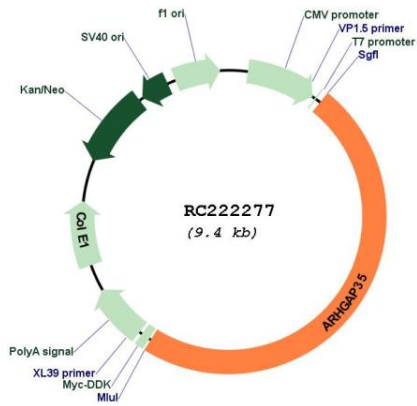


GAATTTACAGGAGTTGCTTTTGAATATTCAGAATTGTTTTATGAACTGGAGCTGGATGCTAAGCCCAGCA
 AGGAGAAGATGGGTGTTATTTCAGGATGTTCTGGGAGAGGAACAGCGATTTAAAGCCATTTACAAAAGCTC
 CAAGCAGAGCGTTGATGCCCTTATTCTGAAACACATTCATTTTGTGTACCACCCAACAAAGGAGACATGC
 CCCAGCTGCCAGCTTGTGTGGACGCTAAGATTGAGCACTTGATTAGTTCTCGGTTTATCCGGCCGTCTG
 ACCGGAATCAGAAAAATCAGTCTCTGACCCTAACATTGATAGAATCACTTGGTTATATTGGGCAAGA
 CGCCTTGCCCGAGAGTTGGCCAATGGAGATTAGAGCTCTTTGTACAAATGATGACAAGTATGTGATAGAT
 GGTAATAATGATGAGCTTCCCTGAGGCCAATAGAGGGGAATGTCAGGCTTCTGTGAACCTTTCCAGA
 CGCCAACATTTACGCCCCACGGCTGTCTGCTTACAATTCAAAGGAATCGCTATCCTATGTAGTGGA
 AAGTATAGAGAAGAGTAGAGAGTCCACGCTGGGCCGGGATAATCATTTAGTCCATCTCCCCCTTACA
 TTAATTTTGGTTAAACAGAGAGGAGACACCAGTGGAGAGACTCTGCATAGCTTAATACAGCAAGGTCAAC
 AAATTGCTAGCAAACCTCAGTGTGTCTTCTCGACCCTGCTTCTGCTGGCATTGGTTACGGACGCAACAT
 TAATGAAAAGCAAATCAGTCAAGTTTTGAAGGGACTCCTGGACTTAAGCGTAACTTAAACCTGGTCAGT
 TCTACTGTAGCATCAAAGATTTGGCTGATGTTGATCTGCGAATTGTTATGTGTCTGATGTGTGGAGATC
 CTTTTAGTGCAGATGATACTTTTTCTGTCTTTCAGTCCCAAACCTGTAATCTTCCCATTGTGGAAG
 CAACAACCTGTGTTTACTTGAACCTACCAATCGGACTGCACAAGAAGCGGATTGAACTGTCTGTTCTTTCA
 TACCATTCTCCTTTAGCATCAGAAAGACCGGTTGGTTCATGGGTACATTGTTTTTTATTCAGCCAAC
 GTAAGGCCTCTTTGGCTATGTTACGTGCCTTTCTTTGTGAAGTGCAGGATATTATCCCTATTCAGCTTGT
 AGCACTCACTGATGGCGCTGTAGATGTCCTGGACAATGACTTAAGTAGGGAAACAGCTAACTGAGGGGGAG
 GAGATTGCTCAAGAAATTGACGGAAGGTTCAACAAGCATCCCCTGTAGCCAACCCAGCATAAACTTGAGA
 TCTTTACCCATTTTTAAAGATGTGGTGGAAAAAAGAACAATAATCGAGGCTACTCATATGTACGATAA
 TGCTGCCGAGGCCTGTAGCACCACCGAAGAGGTGTTAACTCCCCCGGGCAGGATCACCCTCTCGAAC
 TCAAACCTGCAGGATTCAGAAGAAGATACGAGCCATCTACAGCCTGTTTCGAGAAGACACATCACTGC
 CTCTCTGTCCAAAGACCATTCTAAGCTCTCTATGGAACCTGGAGGGAAATGATGGGCTGTCTTTTATTAT
 GAGCAATTTTGGAGTAACTGAACAACAAGTACCTCCGCCAGTCAAACCAAAGCCTCCTGTCCATTTT
 GAAATTACAAAGGGGATCTATCTTATTTAGACCAAGGCCATAGGGATGGACAGAGGAAGTCTGTGTCTT
 CTAGCCCCTGCTGCCTCAGGATGGGTTTATCCTTCTGACTATGCTGAACCCATGGATGCTGTGGTGAA
 GCCAAGGAATGAAGAAGAAAACATACTCCGTGCCCATGACAGCACCCAAGGCAAAATCATCACCATT
 CGGAATATCAACAAGCCAGTCCAACGGCAGCGGGAATGGTTCTGACAGTGAATGGACACCAGCTCTC
 TAGAGCGAGGGCGCAAGGTTTCCATCGTGAGCAAGCCAGTGTGTACAGGACGAGATGCACCCGGCTGGG
 GCGGTTTGTAGTACCAGGACAGCTTCAGCGTGGGAGTGTGATGAGCTGGGGCCATCCGGAAGAAA
 GAGGAGGATCAGGCATCCAGGTTATAAAGGGGACAATGCTGTCAATCCATACGAAACAGACGAAGACC
 CGCGGAGGAGGAATATTCTCGCAGCCTAAGGAGGAACACTAAGAAACCAAAGCCAAACCCCGGCCATC
 CATCACAAGGCAACCTGGGAGAGTAACATTTTTGGGGTGCCCTTAACAACTGTCGTGACTCCAGAGAAG
 CCGATCCCCATTTTTATTGAAAGATGATTGAGTACATTGAAGCCACAGGACTGAGCACGGAAGGCATCT
 ACCGGGTGAGCGGGAACAAGTCTGAGATCGAGAGTCTGCAGAGACAGTTTGTCAAGACCACAACCTGGA
 CCTGGCAGAGAAAGACTTACGGTGAATACCGTGGCTGGTGCCATGAAGAGCTTTTTCTCAGAACTGCCT
 GACCCCTGGTCCCGTATAACATGCAGATCGACTTGGTGAAGCACACAAAATCAACGACCGGGAGCAGA
 AGTTGCATGCCCTAAGGAGGTATTAAGAAAATTTCAAAGGAAAACACGAAGTCTTCAAGTATGTGAT
 CTCTCACCTAAACAAGGTCAGCCACAACAAGGTGAATCTCATGACCAGCGAGAACCTCTCCATCTGC
 TTCTGGCCACCTTGATGAGACCTGATTTTCAGCACTATGGACGCCCTCACAGCCACGCGCACCTACCAGA
 CAATCATTGAACTCTTTATCCAGCAGTGCCCTTCTTCTTCTACAATCGGCCATCACCGAGCCCCCGG
 CGCCAGGCCAGCTCCCCCTCTGCCGTGGCTTCCACCGTCCCCTTCTCACTTCCACGCCTGTCACAAGT
 CAGCCGTGCCCCACAGTGCCTCCACCACCCCCAGTCCCCAATGCAGCCACTGTTCCCTCCCCG
 TTCATCCCCACCGTCCCCTCCACAGCCTTCCCGAAACATTCCCTGGCAAAACAAAGGAACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

ORF Size:	4542 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:	NM_004491.2 , NP_004482.2
RefSeq Size:	8904 bp
RefSeq ORF:	4500 bp
Locus ID:	2909
UniProt ID:	Q9NRY4
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome
Protein Pathways:	Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton
MW:	172.2 kDa
Gene Summary:	The human glucocorticoid receptor DNA binding factor, which associates with the promoter region of the glucocorticoid receptor gene (hGR gene), is a repressor of glucocorticoid receptor transcription. The amino acid sequence deduced from the cDNA sequences show the presence of three sequence motifs characteristic of a zinc finger and one motif suggestive of a leucine zipper in which 1 cysteine is found instead of all leucines. The GRLF1 enhances the homologous down-regulation of wild-type hGR gene expression. Biochemical analysis suggests that GRLF1 interaction is sequence specific and that transcriptional efficacy of GRLF1 is regulated through its interaction with specific sequence motif. The level of expression is regulated by glucocorticoids. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222277