

## Product datasheet for **RC222277L4V**

### **GRLF1 (ARHGAP35) (NM\_004491) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	GRLF1 (ARHGAP35) (NM_004491) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GRLF1
Synonyms:	GRF-1; GRLF1; P190-A; P190A; p190ARhoGAP; p190RhoGAP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004491
ORF Size:	4542 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222277).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004491.2</a> , <a href="#">NP_004482.2</a>
RefSeq Size:	8904 bp
RefSeq ORF:	4500 bp
Locus ID:	2909
UniProt ID:	<a href="#">Q9NRY4</a>
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome
Protein Pathways:	Focal adhesion, Leukocyte transendothelial migration, Regulation of actin cytoskeleton



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**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]