

Recombinant Human ARHGAP35, His-tagged

Cat. No. ARHGAP35-26370TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1055-1499 of Human GRLF1 isoform 2 with an N terminal His tag. Observed mwt: 59 kDa ;
Species	Human
Source	E.coli
ProteinLength	1055-1499 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 113 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.
Sequences of amino acids	DLSYLDQGHDRDQQRKSVSSSPWLPQDGFDPDYAEPMDAV VKPRNEEENIYSVP HDSTQGKIITIRNINKAQSNNGSGN GSDSEMDTSSLERGRKVSIVSKPVLYRTRCTRL GRFAS YRTSFSVGSDDDELGPIRKKEEDQASQGYKGDNAVIPE TDEDPRRRNILRS LRRNTKKPKPKPRPSITKATWESNYFG VPLTTVVTPEKPIPIFIERCIEYIEATGLSTE GIYRVS GNKSEMESLQRQFDQDHNLDLAEKDFTVNTVAGAMKSF FSELPDPLVPY NMQIDLVEAHKINDREQKLHALKEVLK KFPKENHEVFKYVISHLNKVSHNNKVNLMT SENLICFWP TLMRPDFSTMDALTATRTYQTIELFIQQCPFFFYNRP ITEPPGARPS SPSAVASTVPFLTSTPVTSQPSPQSPPTPQSPMQPLLPSQLQAEHTL
Sequence Similarities	Contains 4 FF domains.Contains 1 Rho-GAP domain.

GENE INFORMATION

Gene Name	ARHGAP35 Rho GTPase activating protein 35 [Homo sapiens]
Official Symbol	ARHGAP35
Synonyms	ARHGAP35; Rho GTPase activating protein 35; glucocorticoid receptor DNA binding factor 1 , GRLF1; rho GTPase-activating protein 35; GRF 1; KIAA1722; P190A; p190ARhoGAP; p190RhoGAP;
Gene ID	2909
mRNA Refseq	NM_004491
Protein Refseq	NP_004482

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MIM	605277
Uniprot ID	Q9NRY4
Chromosome Location	19q13.32
Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EPHA2 forward signaling, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
Function	DNA binding; GTP binding; GTPase activator activity; Rho GTPase activator activity; transcription corepressor activity;

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