

Product datasheet for **RC209082**

RGS19 (NM_005873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGS19 (NM_005873) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGS19
Synonyms:	GAIP; RGSGAIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209082 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACCCCGCATGAGGCTGAGAAGCAGATCACAGGGCCAGAGGAGGCGGACCGGCCCTTCAATGT
CCAGTCATGATACAGCCTCTCCAGCGGCCCCAGCCGCAACCCCTGCTGCCTGTGCTGGTGTCTGCTGCTG
TAGCTGCTCCTGGAACCAAGAGCGGGCGCGCGTGGCAGGCCTCCGGGAGAGCAAGCTGCAGCCCTC
CCCAGCTGTGAAGTATGTCCACGCCAAGTCTGAGGAGGTGCAGAGCTGGGCGCAGTCTTTTGACAAGC
TGATGCACAGCCAGCGGACGCAGCGTGTCCGGCGTTCCTGCGGACAGAGTACAGCGAGGAGAACAT
GCTCTTCTGGTTGGCCTGCGAGGAGCTGAAGGCCGAGGCCAACCCAGCATGTGGTAGACGAGAAGGCGAGG
CTCATCTACGAGGACTACGTATCCATCCTGTCCCCAAGGAGGTGAGCCTGGACTCCCGTGTGCGGGAGG
GCATCAACAAGAAGATGCAGGAGCCGTCCGCACACACGTTTCGACGACGCGCAGCTGCAGATCTACACGCT
CATGCACCGGACTCCTACCCCGCTTCTCAGCTCTCCACCTACCGTGCCTGCTGCTGCAGGGGCCA
TCACAGTCCTCCTCCGAGGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_005873.3](#)

RefSeq Size: 1593 bp

RefSeq ORF: 654 bp

Locus ID: 10287

UniProt ID: [P49795](#)

Cytogenetics: 20q13.33

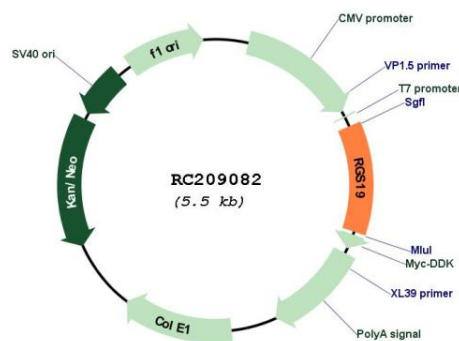
Domains: RGS

Protein Families: Druggable Genome

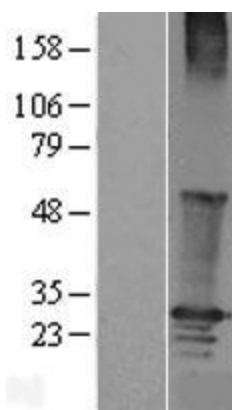
MW: 24.6 kDa

Gene Summary: G proteins mediate a number of cellular processes. The protein encoded by this gene belongs to the RGS (regulators of G-protein signaling) family and specifically interacts with G protein, GAI3. This protein is a guanosine triphosphatase-activating protein that functions to down-regulate Galpha i/Galpha q-linked signaling. Alternatively spliced transcript variants encoding the same protein isoform have been found for this gene. [provided by RefSeq, Jul 2008]

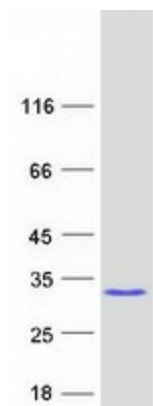
Product images:



Circular map for RC209082



Western blot validation of overexpression lysate (Cat# [LY417015]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209082 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RGS19 protein (Cat# [TP309082]). The protein was produced from HEK293T cells transfected with RGS19 cDNA clone (Cat# RC209082) using MegaTran 2.0 (Cat# [TT210002]).