

## Product datasheet for **RG215923**

### PACAP receptor (ADCYAP1R1) (NM\_001118) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PACAP receptor (ADCYAP1R1) (NM_001118) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PACAP receptor
Synonyms:	PAC1; PAC1R; PACAPR; PACAPRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG215923 representing NM\_001118  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGTGTCTGCACGTTTCCCTGGCTGCTCTCCTCTGCTGCCTATGGCCCTGCCATGCATTCTG  
 ACTGCATCTTCAAGAAGGAGCAAGCCATGTGCCTGGAGAAGATCCAGAGGGCCAATGAGCTGATGGGCTT  
 CAATGATTCTCTCCAGGCTGTCTGGGATGTGGGACAACATCACGTGTTGGAAGCCCGCCATGTGGGT  
 GAGATGGTCTGGTCAGCTGCCCTGAGCTCTTCCGAATCTTCAACCCAGACCAAGCTGGGAGACCGAAA  
 CCATTGGAGAGTCTGATTTTGGTGACAGTAACCTTAGATCTCTCAGACATGGGAGTGGTGGCCGGAA  
 CTGCACGGAGGATGGCTGGTCCGAACCCCTCCCTCATTACTTTGATGCCTGTGGGTTTGTGAATATGAA  
 TCTGAGACTGGGACCAGGATTACTACCTGTCAAGGACCTCTACACGGTTGGCTACAGCACAT  
 CCCTCGTACCCTCACCCTGCCATGGTCATCCTTTGTCGCTCCGGAAGCTGCACTGCACACGCAACTT  
 CATCCACATGAACCTGTTTGTGTCGTTTCTGCTGAGGGCGATCCCGTCTTCATCAAAGACTGGATTCTG  
 TATGCGGAGCAGGACAGCAACCCTGCTTCATCTCCACTGTGGAATGTAAGGCCGTCATGGTTTTCTTCC  
 ACTACTGTGTTGTGCCAACTACTTCTGGCTGTTTCATCGAGGGCCTGTACCTCTTCACTCTGCTGGTGG  
 GACCTTCTCCCTGAAAGGAGATACTTCTACTGGTACACCATATTGGCTGGGGGACCCCAACTGTGTGT  
 GTGACAGTGTGGGCTACGCTGAGACTCTACTTTGATGACACAGGCTGCTGGGATATGAATGACAGCACAG  
 CTCTGTGGTGGGTGATCAAAGGCCCTGTGGTGGCTCTATCATGGTTAACTTTGTGCTTTTTATTGGCAT  
 TATCGTCATCCTGTGCAGAACTTCAGTCTCCAGACATGGGAGGCAATGAGTCCAGCATCTACTTGGCA  
 CTGGCCCGGTCCACCCTGCTGCTCATCCCCTATTCGGAATCCACTACACAGTATTTGCCTTCTCCCAG  
 AGAATGTCAGCAAAAGGAAAGACTCGTGTGAGCTGGGCTGGGCTCCTTCCAGGGCTTTGTGGTGGC  
 GTTCTCTACTGTTTTCTGAATGGTGGTACAAGCGGAGATCAAGCGAAAATGGCGAAGCTGGAAGGTG  
 AACCGTTACTTCCGCTGTGGACTTCAAGCACCGACCCGCTCTGCGCAGCAGTGGGGTGAATGGGGCA  
 CCCAGCTCTCCATCCTGAGCAAGAGCAGCTCCCAATCCGCATGTCTGGCCTCCCTGCTGACAATCTGGC  
 CACC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG215923 representing NM\_001118  
 Red=Cloning site Green=Tags(s)

MAGVVHVSIAALLLLPMAPAMHSDCIFKKEQAMCLEKIQRANELMGFNDSPPGCPGMWDNITCWKPAHVG  
 EMVLVSCPELFRIFNPDQVWETETIGESDFGDSNSLDLSDMGVSRNCTEDGWSEPFPHYFDACGFDEYE  
 SETGDQDYVYLSVKALYTVGYSTSLVTLTAMVILCRFRKLHCTRNF IHMNLFVSFMLRAISVFIKDWIL  
 YAEQDSNHCFISTVECKAVMVFHYCVVSNYFWLFI EGLYLFLLVETFFPERRYFYWYTIIGWGTPTVC  
 VTVWATLRLYFDDTGCWDMNDSTALWWWIKGPVVGSI MVNVLFIGIIVILVQKLQSPDMGGNESSIYLR  
 LARSTLLLIPLFGIHYTVFAFSPENVSKRERLVFELGLGSFQGFVAVLYCFLNGEVQAEIKRKWRSWKV  
 NRYFAVDVKHRHPSLASSGVNGGTQLSILSKSSSQIRMSGLPADNLAT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



**Cytogenetics:** 7p14.3

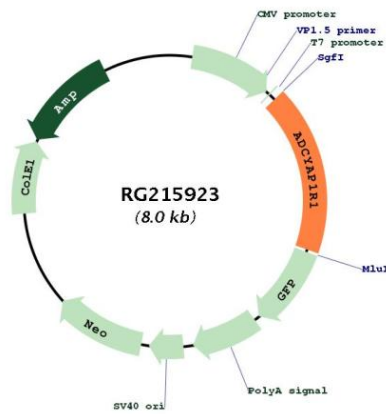
**Domains:** 7tm\_2, HormR

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**Gene Summary:** This gene encodes type I adenylate cyclase activating polypeptide receptor, which is a membrane-associated protein and shares significant homology with members of the glucagon/secretin receptor family. This receptor mediates diverse biological actions of adenylate cyclase activating polypeptide 1 and is positively coupled to adenylate cyclase. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2010]

**Product images:**



Circular map for RG215923