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Product datasheet for RG206092

ACKR3 (NM_020311) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACKR3 (NM_020311) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACKR3
Synonyms:	CMKOR1; CXC-R7; CXCR-7; CXCR7; GPR159; RDC-1; RDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG206092 representing NM_020311
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTGCATCTCTTCGACTACTCAGAGCCAGGGAACTTCTCGGACATCAGCTGGCCATGCAACAGCA
GCGACTGCATCGTGGTGGACACGGTGATGTGTCCCAACATGCCCAACAAAAGCGTCCTGCTCTACACGCT
CTCCTTCATTTACATTTTCATCTTCGTCATCGGCATGATTGCCAACTCCGTGGTGGTCTGGGTGAATATC
CAGGCCAAGACCACAGGCTATGACACGCACTGCTACATCTTGAACCTGGCCATTGCCGACCTGTGGGTTG
TCCTCACCATCCCAGTCTGGGTGGTCAGTCTCGTGCAGCACAACCAGTGGCCCATGGGCGAGCTCACGTG
CAAAGTCACACACCTCATCTTCTCCATCAACCTCTTCGGCAGCATTTTCTTCCTCACGTGCATGAGCGTG
GACCGCTACCTCTCCATCACCTACTTCACCAACACCCCCAGCAGCAGGAAGAAGATGGTACGCCGTGTCG
TCTGCATCCTGGTGTGGCTGCTGGCCTTCTGCGTGTCTCTGCCTGACACCTACTACCTGAAGACCGTCAC
GTCTGCGTCCAACAATGAGACCTACTGCCGGTCCTTCTACCCCGAGCACAGCATCAAGGAGTGGCTGATC
GGCATGGAGCTGGTCTCCGTTGTCTTGGGCTTTGCCGTTCCCTTCTCCATTGTCGCTGTCTTCTACTTCC
TGCTGGCCAGAGCCATCTCGGCGTCCAGTGACCAGGAGAAGCACAGCAGCCGGAAGATCATCTTCTCCTA
CGTGGTGGTCTTCCTTGTCTGCTGGTTGCCCTACCACGTGGCGGTGCTGCTGGACATCTTCTCCATCCTG
CACTACATCCCTTTCACCTGCCGGCTGGAGCACGCCCTCTTCACGGCCCTGCATGTCACACAGTGCCTGT
CGCTGGTGCACTGCTGCGTCAACCCTGTCCTCTACAGCTTCATCAATCGCAACTACAGGTACGAGCTGAT
GAAGGCCTTCATCTTCAAGTACTCGGCCAAAACAGGGCTCACCAAGCTCATCGATGCCTCCAGAGTCTCA
GAGACGGAGTACTCTGCCTTGGAGCAGAGCACCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

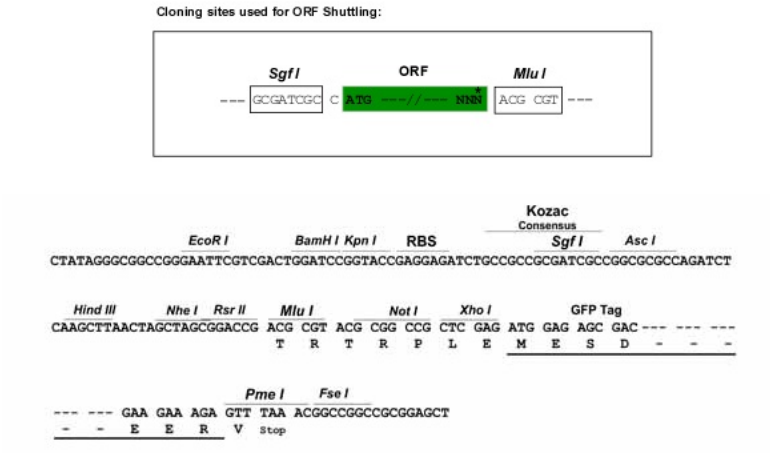
>RG206092 representing NM_020311
Red=Cloning site Green=Tags(s)

MDLHLFDYSEPGNFSDISWPCNSSDCIVVDTVMCPNMPNKSVLLYTLSFIYIFIFVIGMIANSVVVWVNI
QAKTTGYDTHCYILNLAIADLWVVLTIPVWVVSLVQHNQWPMGELTCKVTHLIFSINLFGSIFFLTCMSV
DRYLSITYFTNTPSSRKKMVRRVVCILVWLLAFCVSLPDTYYLKTVTSASNNETYCRSFYPEHSIKEWLI
GMELVSVVLGFAVPFSIVAVFYFLLARAISASSDQEKHSSRKIIFSYVVVFLVCWLPYHVAVLLDIFSIL
HYIPFTCRLEHALFTALHVTQCLSLVHCCVNPVLYSFINRNYRYELMKAFIFKYSAKTGLTKLIDASRVS
ETEYSALEQSTK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020311

ORF Size: 1086 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_020311.2, NP_064707.1

RefSeq Size: 2114 bp

RefSeq ORF: 1089 bp

Locus ID: 57007

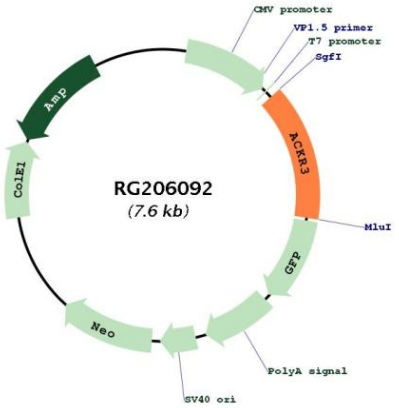
UniProt ID: P25106

Cytogenetics: 2q37.3

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206092