

Product datasheet for SC112665

ACKR3 (NM_020311) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACKR3 (NM_020311) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACKR3
Synonyms:	CMKOR1; CXC-R7; CXCR-7; CXCR7; GPR159; RDC-1; RDC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112665 sequence for NM_020311 edited (data generated by NextGen Sequencing)

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ATGGATCTGCATCTCTTCGACTACTCAGAGCCAGGGAAGTCTCGGACATCAGCTGGCCA
TGCAACAGCAGCGACTGCATCGTGGTGGACACGGTGATGTGTCCCAACATGCCCAACAAA
AGCGTCTGCTCTACACGCTCTCCTTCATTTACATTTTTCATTTTCGTCATCGGCATGATT
GCCAATCCGTGGTGGTCTGGGTGAATATCCAGGCCAAGACCACAGGCTATGACACGCAC
TGCTACATCTTGAACCTGGCCATTGCCGACCTGTGGGTTGTCCTCACCATCCCAGTCTGG
GTGGTCAGTCTCGTGCAGCACAACCAGTGGCCATGGGCGAGCTCACGTGCAAAGTCACA
CACCTCATCTTCCATCAACCTCTTCGGCAGCATTTTCTTCTCACGTGCATGAGCGTG
GACCGCTACCTCTCCATCACCTACTTCACCAACACCCCCAGCAGCAGGAAGAAGATGGTA
CGCCGTGTCGTCTGCATCCTGGTGTGGCTGCTGGCCTTCTGCGTGTCTCTGCCTGACACC
TACTACCTGAAGACCGTACGTCTGCGTCCAACAATGAGACCTACTGCCGGTCTTCTAC
CCCAGCAGCATCAAGGAGTGGCTGATCGGCATGGAGCTGGTCTCCGTTGTCTTGGGC
TTTGCCGTTCCCTTCTCCATTATCGCTGTCTTCTACTTCTGCTGGCCAGAGCCATCTCG
GCGTCCAGTGACCAGGAGAAGCAGCAGCCGGAAGATCATCTTCTCCTACGTGGTGGTC
TTCCTTGTCTGCTGGCTGCCCTACCACGTGGCGGTGCTGCTGGACATCTTCTCCATCCTG
CACTACATCCCTTTCACCTGCCGGCTGGAGCACGCCCTTTCACGGCCCTGCATGTCACA
CAGTGCCTGTGCTGGTGCAGTCTGCTGCAACCCTGTCTCTACAGTTCATCAATCGC
AACTACAGGTACGAGCTGATGAAGGCCTTCATCTTCAAGTACTCGGCCAAAACAGGGCTC
ACCAAGCTCATCGATGCCTCCAGAGTCTCAGAGACGGAGTACTCTGCCTTGGAGCAGAGC
ACCAAATGA

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Clone variation with respect to NM_020311.2
162 c=>t



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020311 unedited NTTGTCAAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGAAGGGAG CCAGCGCACAGCACAGCCAGGAAGGCGAGCGAGCCAGCCAGCCAGCCAGCCAGCCAGCCAG CCCGGAGGTCAATTTGATTGCCCGCCTCAGAACGATGGATCTGCATCTCTTCGACTACTCA GAGCCAGGGAACCTTCTCGGACATCAGCTGGCCATGCAACAGCAGCGACTGCATCGTGGTG GACACGGTGATGTGCCAACATGCCAACAAAAGCGTCTGCTACACGCTCTCCTTC ATTTACATTTTTCATTTTCGTCATCGGCATGATTGCCAACTCCGTGGTGGTCTGGGTGAAT ATCCAGGCCAAGACCACAGGCTATGACACGCACTGCTACATCTTGAACCTGGCCATTGCC GACCTGTGGGTTGTCTCACCATCCCAGTCTGGGTGGTCACTCTCGTGCAGCACAACCGAG TGGCCCATGGGCGAGCTCACGTGCAAAGTACACACCTCATCTTCTCCATCAACCTCTTC GGCAGCATTTTCTCCTCACGTGCATGAGCGTGGACCGTACCTCTCCATCACCTACTTC ACCAACACCCCCAGCAGCAGGAAGAAGATGGTACGCCGTGTCGTCTGCATCCTGGTGTGG CTGCTGGCCTTCTGCGTGTCTCTGCCTGACACCTACTACCTGAAGACCGTACGTCTGCG TCCAACAATGAGACCTACTGCCGGTCTTCTACCCCGAGCACAGCATCAAGGAGTGGCTG ATCGGCATGGAGCTGGTCTNCGTTGTCTTGGGCTNTGCCGTTCCCTTCTNCTTATCGCTG TCTTCTACTTCTGCTGGCCAGAGCCATCTCGCGTCCAGTGACCCAGAGAGCACAGCAGC CGGAGACATCTCNTCTACGTGGTGGGCTTCCTTG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020311 unedited CCTTTTTAACTATGNACCGCGCNCGTATTCTCATGATCGGTCTTTTTTTTTTTTTTTTTT AGGAAACAAAAATTTTTATTAATAAACTCACTTACACATTGCGTAGAATATCTGAAATG CAACTGCTCGTTGCGTGTGCAGATCCGTAGTTTCAGCAACAGCCCCCCCCGCGATCGCTA AATGTACCTTTACACTACTATTAATGTGACAAACTGCATTACACAGCAGTTCTCGCTTCA TATCCCGCGCCGTACAACCCACCACACATCTTTCAACCATGGTCCATAACACATCGCA GCCTCCCACTGCTATCCATCTCCCTCCTCCCTTACTCCCACTCCTACCTCCTTGTCCCC TCCTCTCTCGTCTCTGTCACTTCTCCCCCATTTCCACGTTTTGCCACCCTCAAACCA CACCCACTCTGAATATATGCTAGCATTTATGTCTGTGTTACAATACCCACCATATAGTTA CACCCCCACTCCTCTCACAGGCCACCTATTCTGCATAACTACCGCGCTCATCCCTAC TCCCTTCGCCCCCGCAATCCTTTGCCCCCTTGACTTCCCACCTTCCCGTATCTTCAG TTTTCGCTGCCCTCCCCCTCGCCTCTGACTCATTTTCTTGTGCGTGTACCCAAGCGCCG ACTGCCGATAAAGTGTGCGCCGTTAAGTCCAATGTAAGCCTGGGCCCTTCCAAAACGTA AGTACGTTTCGCACCCCCCGCGCCCTTACCTTACGCGGCCCTGAACTATGGGGGCA CTTTCGTTTGTCTTATCCCCCGGCTTCTTCCGTGCTTGTACCCAACCATACTTTCCTT TATTTTCTTTCGATTACCATCCGGGGCCTGTTCCAGTTTCCACCCCTCCTTTC AAC TG TAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020311
Insert Size:	2090 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.

RefSeq: [NM_020311.1](#), [NP_064707.1](#)

RefSeq Size: 2064 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]