

Product datasheet for MC213257

Ackr4 (NM_145700) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ackr4 (NM_145700) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ackr4
Synonyms: A630091E18Rik; CCBP2; CCR11; Ccr11; CCX-CKR; CCX-CKR1; Cmkbr11; PPR1; VSHK1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC213257 representing NM_145700
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTGGAGCTGAACCAGTCAGCGGAATACTATTATGAGGAGAATGAGATGAACTACACTCAGACT
 ACAGCCAGTACGAAGTATCTGCATAAAAAGAAGAGGTCAGGCAGTTCGAAAAGTCTTCCTGCCTGCCTT
 CTTACAGTGGCCTTTGCACTGGGCTCGCAGGGAACCTCGTAGTTGTGGCGATTTACGCCTATTACAAG
 AAGCAGAGGACCAAGACCGATGTGTACATCCTGAACCTGGCTGTAGCAGACTTGTACTTCTGATCACGC
 TGCCCTTCTGGCAGTTAATGCAGTTCACGGATGGATTCTAGGCAAAATGATGTGCAAAGTAACGTCAGC
 CCTGTACACGGTAACTTTGTCTCTGGGATGCAGTTTCTGGCTTGATCAGCATTGACAGATATGGGCA
 ATTACCAAAGCCCCAGCCAATCAGGAGCGGGGAGACCCTGTTGGATCATCTGTTGCTGTGTGGATGG
 CCGCATCTTGCTGAGCATACCCAGCTGGTTTTTTACACAGTGAATCAGAATGCTAGGTGCACTCCCAT
 CTTTCCCACACCTAGGAACATCCCTGAAAGCATCCATTCAGATGCTGGAAATCGGCATCGGCTTTGTG
 GTCCCGTTTCTCATCATGGCGTGTGCTATGCCAGTACCGCCAGGGCGCTCATCAAGATGCCAACATTA
 AAAAGTCTGCCCCCTCAGGGTTCTGCTCGCGGTGGTGGTTTTTCATTGTCACCCAGCTGCCCTATAA
 CGTTGTTAAGTTCTGCCAAGCCATAGATGCCATCTACCTGCTGATCACCAGCTGCGATATGAGCAAACGC
 ATGGATGTCGCCATCCAAGTACAGAGAGCATCGCGCTTCCACAGCTGCCTCAACCCATCCTGTATG
 TCTTATGGGGCCTCCTTCAAAAATATATCATGAAAGTGGCCAAGAAATATGGATCCTGGAGAAGACA
 GAGACAGAACGTGGAAGAAATTCCTTTTGATTCTGAGGGTCTACAGAGCCAACCAAGTCTTTTACCATT
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_145700



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Insert Size:	1053 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:	<ol style="list-style-type: none">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_145700.2 , NP_663746.2
RefSeq Size:	2109 bp
RefSeq ORF:	1053 bp
Locus ID:	252837
UniProt ID:	Q924I3
Cytogenetics:	9 F1
Gene Summary:	<p>Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Acts as a receptor for chemokines CCL2, CCL8, CCL13, CCL19, CCL21 and CCL25. Chemokine-binding does not activate G-protein-mediated signal transduction but instead induces beta-arrestin recruitment, leading to ligand internalization. Plays an important role in controlling the migration of immune and cancer cells that express chemokine receptors CCR7 and CCR9, by reducing the availability of CCL19, CCL21, and CCL25 through internalization. Negatively regulates CXCR3-induced chemotaxis. Regulates T-cell development in the thymus and inhibits spontaneous autoimmunity.[UniProtKB/Swiss-Prot Function]</p>