

Product datasheet for MR204947

Ackr1 (NM_010045) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ackr1 (NM_010045) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ackr1
Synonyms:	AA162249; CCBP1; CD234; Darc; Dfy; ESTM35; FY; GPD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204947 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAGTGTCTGTATCCGGTGGAAACCCCTTCACTAGACAAGAATGGAAGTCAAGTTACTTTTCGACA
GCTGGAATTATTCGTTTGAAGATAACTACTCCTATGAACTCTCGAGTGACTACAGCCTGACACCAGCTGC
TCCCTGCTACTCCTGTAATCTGCTTGACAGGTCTCCCTGCCCTTCTTCATGCTCACCAGTGTCTGGGC
ATGCTGGCAAGTGGCAGCATCCTCTTCGCGATTCTCAGACCTTTCTTCCACTGGCAGATTTGCCCCAGT
GGCCCATCTGGCAGAGTTAGCAGTGGCAGTGCCTGTTTCAGCATTGCAGTGCCCATCCTGGCACCAGG
CTTACACAGCGCCACAGCACAGCCCTATGCAACCTGGGCTACTGGGTATGGTATACTTCTGCTTTTGCC
CAAGCTCTGTTGATAGGATGCTATGCTTGCCTGAATCCCAGACTGAATATTGGTCAACTCCGTGGCTTCA
CCTTGGGACTCAGTGTGGGACTTTGGGGAGCAGCTGCCCTCTCAGGGCTGCCAGTCGCCCTGGCCAGTGA
TGTTTACAATGGCTTCTGCACCTTTCCATCCTCCAGAGACATGGAAGCTTTGAAGTACACTCATTATGCC
ATCTGTTTACCATCTTCACTGTATTGCCACTGACTCTTTTGGCAGCCAAGGGCTGAAGATAGCACTGA
GCAAGGGGCTGGCCCTGGGTTAGTGTCTTGTGGATCTGGTTCATTTCTGGTGGCCTCATGGGATGGT
TCTCATATTTGATGCTTTGGTGAGGTCCAAAACGTCTTCTGTATACATGTCAATCCCAGAAGATTCTT
GATGCGATGCTGAATGTGACAGAAGCCCTGAGTATGCTGCACTGTGTGGCTACCCCACTGCTCCTGGCCC
TGTTCTGCCATCAGACCACCCGTAGATCCTTGTCTCACTCTCCCTCCCTACAAGACAGGCTTCTCAAAT
GGATGCCCTTGCAGGCAAGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204947 protein sequence
Red=Cloning site Green=Tags(s)

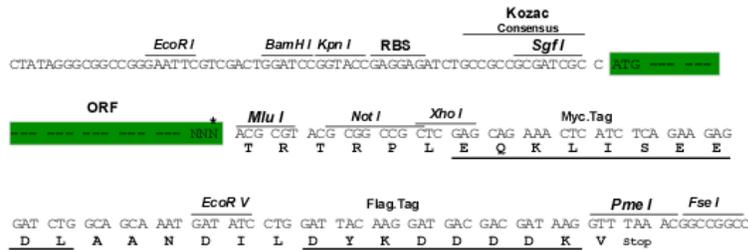
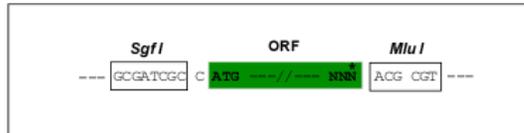
MGNCLYPVETLSLDKNGTQFTFDSWNYSFEDNYSYELSSDYSLTPAAPCYSCNLLDRSSLPFFMLTSVLG
 MLASGSILFAILRPFHFWQICPSWPILAEAVGSALFSIAVPILAPGLSAHSTALCNLGYWVWYTSFAFA
 QALLIGCYACLNPRLNIGQLRGFTLGLSVGLWGAAALSGLPVALASDVYNGFCTFPSSRDMEALKYTHYA
 ICFTIFTVLPLTLAAKGLKIALSKGPGPWVSVLWIWIFWFWPHGMVLIFDALVRSKTVLLYTCQSQKIL
 DAMLVNTEALSMLHCVATPLLLALFCHQTTRRSLSSLSLPTTRQASQMDALAGKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010045

ORF Size: 1002 bp

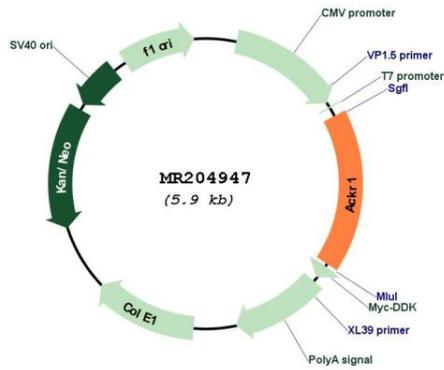
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_010045.1</u>
RefSeq Size:	1158 bp
RefSeq ORF:	1005 bp
Locus ID:	13349
UniProt ID:	<u>Q9QUI6</u>
Cytogenetics:	1 80.33 cM
MW:	36.7 kDa
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. Has a promiscuous chemokine-binding profile, interacting with inflammatory chemokines of both the CXC and the CC subfamilies but not with homeostatic chemokines. Acts as a receptor for chemokines including CCL2, CCL5, CCL7, CCL11, CCL13, CCL14, CCL17, CXCL5, CXCL6, IL8/CXCL8, CXCL11, GRO, RANTES, MCP-1 and TARC. May regulate chemokine bioavailability and, consequently, leukocyte recruitment through two distinct mechanisms: when expressed in endothelial cells, it sustains the abluminal to luminal transcytosis of tissue-derived chemokines and their subsequent presentation to circulating leukocytes; when expressed in erythrocytes, serves as blood reservoir of cognate chemokines but also as a chemokine sink, buffering potential surges in plasma chemokine levels (By similarity). [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MR204947