Product datasheet for MC226027

Cxadr (NM_001276263) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cxadr (NM_001276263) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cxadr
Synonyms:	2610206D03Rik; AU016810; AW553441; C; CAR; MC; MCAR; MCV; MCVADR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226027 representing NM_001276263 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGCGCCTACTGTGCTTCGTGCTCTTGTGCGGGATCGCGGATTTCACCAGTGGTTTGAGCATCACTA CACCCGAACAGAGGATCGAAAAAGCCAAAGGGGAAACTGCGTATCTACCATGCAAGTTTACTCTCAGTCC CGAAGACCAGGGACCACTGGACATTGAATGGCTGATATCCCCGTCTGATAACCAGATAGTGGATCAAGTG ATCATTTTGTATTCTGGAGACAAAATTTATGATAACTACTATCCGGATCTGAAAGGACGGGTACATTTTA CGAGTAACGATGTCAAGTCTGGCGACGCATCTATAAATGTGACCAACCTGCAGCTGTCGGACATTGGCAC TTACCAGTGCAAAGTGAAGAAAGCCCCTGGGGTTGCAAATAAGAAATTCCTGCTGACCGTTCTTGGTAAG TCATCGTTCCTATTATCCACAGGGGTGGAGTGGGGTGGGGGTGCGGAGTTACAAGGTGGCAGGGAAGGTG GCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001276263
Insert Size:	495 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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001276263.1, NP_001263192.1
RefSeq Size:	1386 bp
RefSeq ORF:	495 bp
Locus ID:	13052
UniProt ID:	P97792
Cytogenetics:	16 C3.1
Gene Summary:	This gene encodes a protein that is part of the Cortical Thymocyte marker in Xenopus (CTX) subfamily within the immunoglobulin superfamily. Members of this subfamily, predominantly expressed on the surface of endothelial and epithelial cells, help establish cell polarity and provide a barrier function, regulating migration of immune cells. This protein, first identified as the receptor for adenovirus subgroup C and coxsakieviruses group B, is developmentally regulated and plays an important role in cardiac development. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (3) includes an alternate terminal 3' exon and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (c) has a distinct and shorter C-terminus, compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.