

## Product datasheet for **MC201061**

### Dcxr (BC012247) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dcxr (BC012247) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcxr
Synonyms:	0610038K04Rik; 1810027P18Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012247 CGGACGCGTGGGCGGACGCGTGGGTCCCAGGCTCAAGCACCATGGACCTGGGGCTTGACAGGTCGGCGGGC GCTGGTCACCGGCGGGCAAAGGCATCGGGCGCAGCACTGTGCTGGCGTTGAAGCGGCTGGTGCACAG GTTGTGGCGGTGAGTCGGACGCGAGAGGACCTGGACGACCTGGTCCGCGAGTGTCTGGTGTGGAGCCTG TGTGTGTGGACCTGGCCGACTGGGAGGCCACAGAGCAGGCCCTAAGCAATGTGGGACCCGTGGACCTTCT GGTGAACAATGCTGCTGTGGCTCTGTTGCAGCCCTTCTGGAGGTACCAAGGAGCCTGTGACACATCC TTCAATGTGAATCTTCGGGCTGTCATCCAGGTGTCTCAGATTGTGGCCAAGGGCATGATAGCTCGGGGAA ATCCAGGAGCCATTGTGAAAAAATACAGCCAGGCCTCCAACGTGCACTGACCAACCATACTGTCTACTG TTCCACCAAGGGTGTCTTTTTTGTGGACCAAGAGGATGGCCCTAGAGCTTGGGCCCCACAAGAGCCGT GTGAATGCAGTAAACCCACAGTAGTGATGAGACCTATGGCCGACCAACTGGAGTGACCCCAACAAG CTAAGGCCATGCTGGAGAGTATCCCACTGGGCAAGTTCGCTGAGGTGGAGAACGTCGTGGACACCATTCT CTTCTGCTGAGCAACCGGAGTGGCATGACCACTGGCTCCAATTTGCCAGTGGATGGGGGCTTCTGGCT ACCTGAGCCCCCTGCCACCGACACTCTGCTCAGCTCTGCTCAGGACACTGTGCCCTCCGCCCTGCA ATAAAGCTCTGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	BC012247
Insert Size:	735 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).



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**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:** [BC012247](#), [AAH12247](#)

**RefSeq Size:** 883 bp

**RefSeq ORF:** 735 bp

**Locus ID:** 67880

**Cytogenetics:** 11 E2

**Gene Summary:** Catalyzes the NADPH-dependent reduction of several pentoses, tetroses, trioses, alpha-dicarbonyl compounds and L-xylulose. Participates in the uronate cycle of glucose metabolism. May play a role in the water absorption and cellular osmoregulation in the proximal renal tubules by producing xylitol, an osmolyte, thereby preventing osmolytic stress from occurring in the renal tubules.[UniProtKB/Swiss-Prot Function]