

## Product datasheet for **RR205774**

### **Dlx5 (NM\_012943) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dlx5 (NM_012943) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlx5
Synonyms:	RDLX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205774 representing NM_012943 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACAGGAGTGTGGACAGAAGAGTCCCAAGCATCCGATCCGGCGACTCCAAGCTCCGTTCCCGACGT  
CCGCCGCCATGCACCACCCGTCTCAGGAATCGCCAACCTTGCCGGAGTCTCGGCCACCGATTCTGACTA  
CTACAGTCCCAGGGGGCCGCCCTCATGGCTACTGCTCTCTACCTCTGCTTCTTACCGCAAAGCGCTC  
AACCCATACCAAGTACCAGTATCACAGCGTGAACGGCTCCGCAGCCGGCTACCCGGCCAAGCTTATGCGG  
ACTACGGCTACGCCAGCCCTACCACCAGTACGGAGGCGCCTACAACCGAGTCCCAGTGCACCAGCCA  
GCCAGAGAAAGAAGTGGCCGAGCCAGAGGTGAGGATGGTGAATGGTAAACCAAAGAAAGTTTCGTAACCC  
AGGACTATTTATCCAGCTTTCAGCTGGCCGCTTTACAGAGAAGGTTTCAGAAGACTCAGTACCTCGCCC  
TGCCAGAACCGCGGAGTTGGCCGCTCTCTAGGACTGACGAAACACAGGTGAAAATCTGGTTTCAGAA  
CAAAGATCCAAGATCAAGAAGATCATGAAAAACGGGGAGATGCCCCGGAGCACAGTCCCAGCTCCAGC  
GACCCTATGGCGTGAACCTGCCACAGTACCAGCGGTGTGGAGCCCCAGGGCTCATCCGCTCTCTCA  
GCCACCACCTCATGCCACCCTACGACCTCAACCAAGTCCCCGCGTCCAGCTACCTGGAGAATCGGC  
TTCCTGGTACCAAGTGCAGCCAGCTCAATCAATCCCACCTGCCACCGCCTGGCTCCCTGCAGCACCCG  
CTGGCACTGGCCTCCGGGACGCTTTAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR205774 representing NM\_012943  
 Red=Cloning site Green=Tags(s)

MTGVFDRRVPVSIIRSGDFQAPFPTSAMHHPSQESPTLPESATDSDYSPAGAAPHGYCSPTSASYRKAL  
 NPYQYQYHSVNGSAAGYPAKAYADYGYASPHYQYGGAYNRVPSATSQPEKEVAEPEVRMVGKPKKVRKP  
 RTIYSSFQLAALQRRFQKTQYLALPERAELAASLGLTQTQVKIWFQNKRSIKKIMKNGEMPPPEHSPSS  
 DPMACNSPQSPAVWEPQGSRSLSHHPHAHPTTSNQSPASSYLENSASWYPSAASSINSHLPPPGSLQHP  
 LALASGTLY

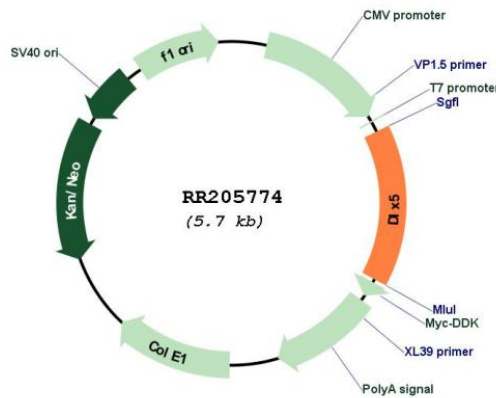
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012943

**ORF Size:** 867 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012943.1</a> , <a href="#">NP_037075.1</a>
<b>RefSeq Size:</b>	1390 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	25431
<b>UniProt ID:</b>	<a href="#">P50575</a>
<b>Cytogenetics:</b>	4q21
<b>MW:</b>	31.5 kDa
<b>Gene Summary:</b>	homeobox protein that is required for BMP-2-mediated osteoblast differentiation [RGD, Feb 2006]