

## Product datasheet for **RR204510**

### DynII2 (NM\_080697) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DynII2 (NM\_080697) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DynII2  
**Synonyms:** Dlc2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR204510 representing NM\_080697  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCTGACCGGAAGGCAGTGATCAAGAACGCAGACATGTCTGAGGACATGCAACAGGATGCCGTTGACT  
GCGCCACTCAGGCCATGGAGAAGTACAACATAGAGAAGGACATTGCTGCCTATATCAAGAAGGAATTCGA  
CAAGAAATATAACCTACCTGGCATTGTATCGTGGCCGAAATTTGGCAGCTATGTCACACACGAGACA  
AAGCACTTCATCTATTTTACTTGGGTCAAGTTGCAATCCTCCTTCAAGTCAGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204510 representing NM\_080697  
Red=Cloning site Green=Tags(s)

MSDRKAVIKNADMSEDMQQDAVDCATQAMEKYNIEKDIAAYIKKEFDKYNPTWHCIVGRNFGSYVTHET  
KHFIYFYLGQVAILLFKSG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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<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>	<u><a href="#">NM_080697.2</a></u> , <u><a href="#">NP_542428.1</a></u>
<b>RefSeq Size:</b>	2370 bp
<b>RefSeq ORF:</b>	270 bp
<b>Locus ID:</b>	140734
<b>UniProt ID:</b>	<u><a href="#">Q78P75</a></u>
<b>Cytogenetics:</b>	10q26
<b>MW:</b>	10.3 kDa
<b>Gene Summary:</b>	gephyrin-binding protein that plays a role in postsynaptic targeting of neurotransmitter receptors or scaffolding proteins [RGD, Feb 2006]