

## Product datasheet for **RR201960**

### **Dtx4 (NM\_001047855) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dtx4 (NM\_001047855) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dtx4  
**Synonyms:** LRRGT00037  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201960 representing NM\_001047855  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGATGATGATGGTGATGATGATGATGGTGGTGGTGGTATGGGTTCCCACTGTGCCTGTGAAAACTTGA  
 ATGGGTCCAGCCCTGTTAATCCTGCCTTGGCAGGAATCACCGGGATCCTCATGAGTGCAGCGGGATTGCC  
 TGTGTGTCTCACTCGTCCACAAAGTTGGTCTCCACCCGCCCTGTGCAAGAGTGAGATAAAGTCC  
 ATCCCAGGGGTCTCTAACACAAGCCGAAGACCACCAAAAAACAGGCTAAGAAAGGTAACCCAGAGG  
 AAGTGCTAAAGAAGTATCTGCAGAAGGTCGGCACCCACCAAGAGGATTGTACCATCTGTATGGAGCG  
 CCTCACAGCCCCCTGGCTACAAGGGCCACAGCCACAGTCAAGCCTGACCTGGTAGGAAAGCTGTCG  
 AAGTGTGGCCACATCTACCACATCTACTGCCTGGTGGCCATGTACAACAATGGGAACAAGGATGGAAGTT  
 TACAGTGCCCAACATGTAAGACCATTTATGGCGTGAAGACAGGCACCCAGCCTCCAGGGAAGATGGAGTA  
 CCACCTCATCCCCACTCCTTGCTGGCCATCCGGATTGCAAGACCATTCCGATTATCTACAGTATCCCC  
 CCTGGCATT CAGGACCGAGAATCCGAATCCTGGGAAGAGCTTCAGCGCCCGTGGCTTCCCACGACATT  
 GTTACCTCCAGACAGCGAGAAAGGGAGAAAAGTTCTGAAGCTGCTTCTAGTGGCCTGGGACCGCCGCT  
 CATCTTTGCCATTGGAACCTCCAGCACCGGGCGAGTCTGATACTGTCACTGGAATGAGGTGCACCAC  
 AAGACAGAATTTGGCTCTAATCTCACTGCCATGGCTACCCAGATGCCAATTACCTGGATAACGTGCTGG  
 CTGAAGTGGCTGCCAGGGTATCTCTGAAGACAGCACTTCCCAGGAAAAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201960 representing NM\_001047855  
 Red=Cloning site Green=Tags(s)

MMMMMMMMVVVWVPTVPVKNLNGSSPVNPALAGITGILMSAAGLPVCLTRPPKLVLHPPPVSKSEIKS  
 IPGVSNTSRKTTKKQAKKGKTPEEVLKKYLQKVRHPPEEDCTICMERLTAPSGYKGPQPTVKPDLVGKLS  
 KCGHIYHIYCLVAMYNNGNKDGSLQCPTCKTIYGVKTGTQPPGKMEYHLIPHSLPGHPDCKTIRIIYSIP  
 PGIQGPPEHPNPGKSF SARGFPRHCYLPDSEKGRKVLKLLLVAVDRRLIFAIGTSSTTGESDVTIWNVEVHH  
 KTEFGSNTLGHGYPDANYLDNVLAEAAQGISDSTSQEKD

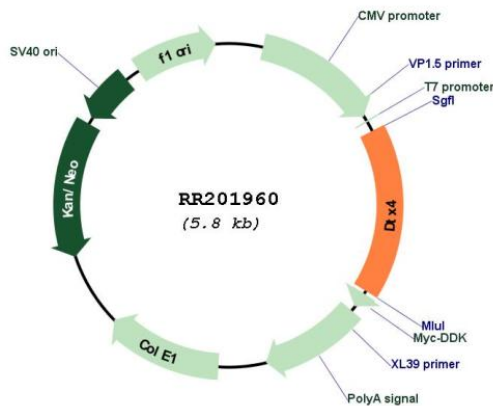
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001047855

**ORF Size:** 963 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_001047855.1</a> , <a href="#">NP_001041320.1</a>   |
| <b>RefSeq Size:</b>           | 966 bp  |
| <b>RefSeq ORF:</b>            | 966 bp  |
| <b>Locus ID:</b>              | 293774  |
| <b>Cytogenetics:</b>          | 1q43  |
| <b>MW:</b>                    | 35.1 kDa  |