

## Product datasheet for **RR212872**

### Dusp15 (NM\_001108598) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dusp15 (NM\_001108598) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dusp15  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212872 representing NM\_001108598  
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
GCC

ATGGGAAATGGCATGACCAAGGTAATCTCCTGGACTCTACCTTGGAACTTCATTGATGCCAAGACCCGG  
ATCAGCTGGGCCGGAATAAGATCAGCAGATCGTCTCTATCCACGAATCACCTCAGCCTCTATTGCAGGA  
TATCACCTATCTCGAATCTCAGTGTCTGACACTCCTGAGTACCCATCAAAAAGCACTTCAAAGAATGT  
GTCCACTTTATCCACTCTTGTCTCTCAACGGGGGAAGTGCCTTGTGCACTGCCTATCTTTCACCTCGG  
GATCTTTCTTTCAGGTATATCACGAAGTACCACCGTAGTGATCGCCTATGTGATGACAGTGACCCGACT  
TGGCTGGCAGGAAGTACTTGAAGCCATCAAGCCCTCCCGCCCATCGCCAACCAAAACCCGGCTTTAGG  
CAGCAACTTGAGGAGTTTGGCTGGGCAAACTCCAGAAGCTTCGCCGCGCAGCTGGAGGAGCGCTTCGGG  
AGATCCCGTTCGCGACGAGGAGACTTGCAGCGCTGCTGCCTCTGCAAGGCGCTGTCGCCAGGGTCC  
GGGACTTCGGCCCGTCCGCCACCACAGCGTCTCGGCCGCTTCGAGGGGACCCTGCAGCGCTGGTG  
CCGGATCGCCCGGGAATCACACCGCCGCTGCCGCTGCTGGCGCGCTCAAGCAGACTTCTTCTGCC  
TCCCCGGTGCCTGTCGCGCAAGGGCGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212872 representing NM\_001108598  
Red=Cloning site Green=Tags(s)

MNGMTKVLPGLYLGNIIDAKDPDQLGRNKITHIVSIHESQPPLLQDITYLRISVSDTPEVPIKKHFKEC  
VHFIIHSCRLNGGNCVHCLSFSTSGSFFAGISRSTTVVIAYVMTVTGLGWQEVLEAIKASRPIANPNPGR  
QQLEEFWANSQKLRRQLEERFGEIPFRDEEDLRALLPLCRRRCRQPGTSAPSATTASSAASEGLQRLV  
PRSPRESHRPLLLARVKQTFCLPRCLSRKGGK

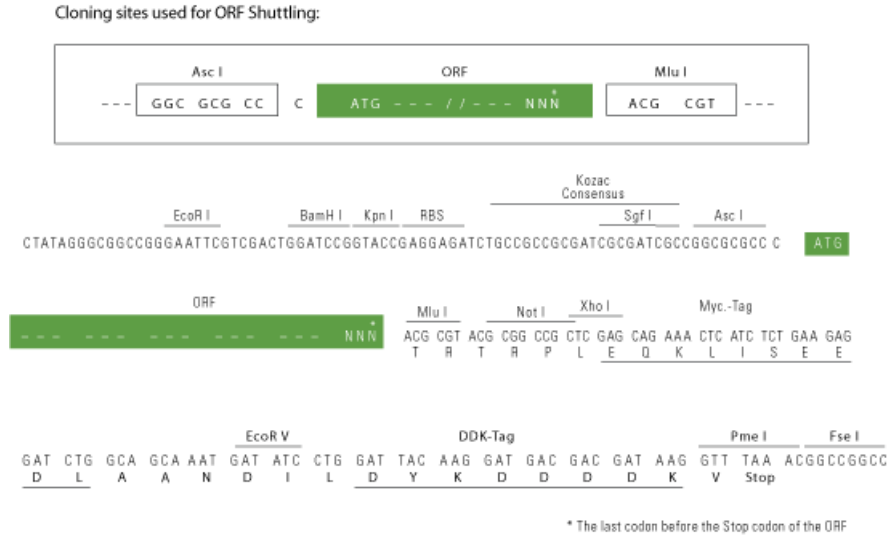
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



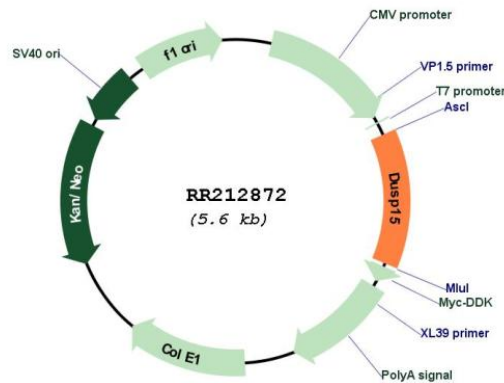
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Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108598

ORF Size: 732 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: 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_001108598.2</a></u> , <u><a href="#">NP_001102068.2</a></u>
<b>RefSeq Size:</b>	3164 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	362238
<b>UniProt ID:</b>	<u><a href="#">B4F7B7</a></u>
<b>Cytogenetics:</b>	3q41
<b>MW:</b>	27.1 kDa
<b>Gene Summary:</b>	May play a role in the regulation of oligodendrocyte differentiation. May play a role in the regulation of myelin formation (PubMed:27532821). Involved in the regulation of Erk1/2 phosphorylation in Schwann cells; the signaling may be linked to the regulation of myelination (PubMed:27891578). May dephosphorylate MAPK13, ATF2, ERBB3, PDGFRB and SNX6 (By similarity).[UniProtKB/Swiss-Prot Function]