

## Product datasheet for RC216271

### DUSP15 (NM\_177991) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DUSP15 (NM\_177991) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DUSP15  
**Synonyms:** C20orf57; VHY  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC216271 representing NM\_177991  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACTGTGACGGGGCTAGGCTGGCGGGACGTGCTTGAAGCCATCAAGGCCACCAGGCCCATCGCCAACC  
 CCAACCCAGGCTTTAGGCAGCAGCTTGAAGAGTTTGGCTGGGCCAGTCCAGAGCTTCGCCGGCAGCT  
 GGAGGAGCGCTTCGGCGAGAGCCCTTCCGCGACGAGGAGGAGTTGCGCGCGCTGCTGCCGCTGTGCAAG  
 CGCTGCCGGCAGGGCTCCGCGACCTCGGCCTCCTCCGCCGGGCCGCACTCAGCAGCCTCCGAGGGAACCG  
 TGCAGCGCCTGGTGCCGCGCACGCCCGGGAAGCCACCAGCCGCTGCCGCTGCTGGCGCGCTCAAGCA  
 GACTTTCTCTTGCTCCCCCGGTGTCTGTCCCGCAAGGGCGGCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216271 representing NM\_177991  
 Red=Cloning site Green=Tags(s)

MVTVGLGWRDVL EAIKATRP IANPNP GFRQQLEEFGWASSQKLRRQLEERFGESPF RDEEELRALLPLCK  
 RCRQGSATSASSAGPHSAASEGTVQRLVPRTPREAHRPLLLARVKQTF SCLPRCLSRKGGK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6851\\_h04.zip](https://cdn.origene.com/chromatograms/mk6851_h04.zip)

**Restriction Sites:** SgfI-MluI



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### Cloning Scheme:



ACCN: NM 177991

ORF Size: 396 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.

**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).

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_177991.3](#)

RefSeq Size: 1184 bp

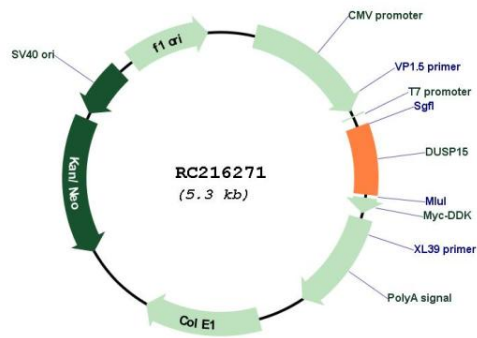
RefSeq ORF: 399 bp

**Locus ID:** 128853  
**UniProt ID:** [Q9H1R2](#)  
**Cytogenetics:** 20q11.21

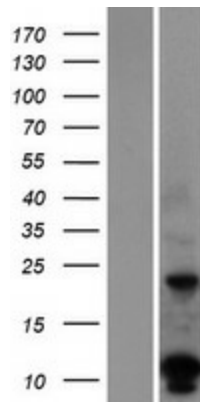
**Protein Families:** Druggable Genome, Phosphatase  
**MW:** 14.5 kDa

**Gene Summary:** The protein encoded by this gene has both protein-tyrosine phosphatase activity and serine/threonine-specific phosphatase activity, and therefore is known as a dual specificity phosphatase. This protein may function in the differentiation of oligodendrocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

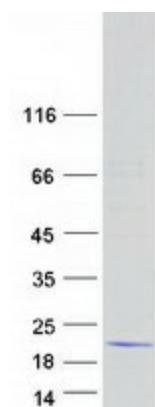
## Product images:



Circular map for RC216271



Western blot validation of overexpression lysate (Cat# [LY405882]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216271 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DUSP15 protein (Cat# [TP316271]). The protein was produced from HEK293T cells transfected with DUSP15 cDNA clone (Cat# RC216271) using MegaTran 2.0 (Cat# [TT210002]).