

Product datasheet for **RN204666**

Usp2 (NM_053774) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp2 (NM_053774) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Usp2
Synonyms:	UBP-t
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204666 representing NM_053774
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGCTCTCTCCACCCTGAAGCGCTATACAGAATCGTCCCGCTACACAGATGCCCTTATGCCA
 AATCGGGCTATGGCACCTACACCCTTCTCTCTATGGGGCCAACCTGGCCGCCTCCTTCTCGGAGAAGGA
 AAAACTTGGTTTCAAGCCGGTCTCCCCACCAGCTTCTCCACGGCCCCGCACCTACGGCCCTCCTCC
 ATCCTGGACTGTGACAGGGGCGCCCTGCTGAGATCTGACATCACTGGGGGTAGTAAGCGGTCTGAGA
 GCCAGACCCGTGGCAATGAAAGGCCCTCAGGCAGTGGACTCAACGGAGGCAGTGGATTTCTTATGGAGT
 GACCAGCAACTCCCTCAGCTACCTGCCATGAATGCCAGAGACCAGGGCGTGACCTTGGGCCAGAAGAAA
 TCGAACAGCCAATCAGACCTGGCCGGGATTTCTCCAGCCTCCGGACCTCAGATAGCTACAGGACTTCAG
 ATGGCTACCGGGCTCAGATGGCTTAGGATAGACCCCGAAACCTGGGTCGACGCCCATGCTGGCCCG
 CACACGTAAGGAGCTCTGTGCCCTGCAGGGCCTACCAAGCAACCAGCCGTTCTGAGTACCTAACAGAC
 TATCTGGAGAACTATGGCCGCAAGGGCAGTGCACCACAGGTGCTCACACAGGCCCTCCCTCCCGAGTCC
 CCGAAGTCCTCAGTCCCACCTACCGACCAAGTGGCCGCTACACACTGTGGGAGAAGAACAAGGGCCAGGC
 TTCTGGGCCAGCCGCTCCACTTCTCCAGGGCAGACACCATGAATTCAAAGAGTGGCCAGGGTCTGGCT
 GGTCTTCGAAACCTTGGGAACACGTGCTTCATGAACCTCAATTTCTCAGTGTCTGAGCAACACCCGCGAGT
 TGAGAGATTACTGCCTCCAGAGGCTGTACATGCGGGACCTCGGCCATACCAGCAGTGCACACACAGCTCT
 CATGGAAGAGTTTGCAAACTAATCCAGACCATATGGACGTATCCCCAATGATGTGGTGGAGCCCATCT
 GAGTTCAGAGCCAGATCCAGAGATATGCACCACGCTTCGTTGGCTATAATCAGCAGGATGCTCAGGAAT
 TCCTCCGTTTCTCTGGATGGCTCCACAACGAGGTGAACCGGGTGGCAGCAAGGCCTAAGCCCCAGCCC
 TGAGAGCCTTGATCATCTCCCTGATGAAGAGAAAAGGGCGACAGATGTGGAGGAAGTATCTAGAAAGGGAA
 GACAGTGGATTGGGATCTCTTCGTTGGCAGCTAAAGAGCTCCCTGACGTGCACCGACTGCGGCTACT
 GCTCTACAGTGTTCGATCCCTTCTGGGACCTCTCGTTGCCATTGCAAAGAGAGGCTATCCTGAAGTGAC
 GTTAATGGATTGTATGAGGCTCTCACCAAAGAGGATGTGTTGGATGGGGATGAGAAACCAACATGCTGC
 CGCTGCCGGGCCAGAAAACGATGTATAAAGAAGTTCTCTGTCCAGAGGTTCCCAAAGATCTTGGTGTCC
 ACCTGAAGCGTTCTCAGAATCCAGGATACGAACCAGCAAGCTCACAACTTTGTGAATTTCCCACTAAG
 AGACCTGGACTTGAGAGAATTTGCTTCAGAAAACCAACCATGTGTTACAACCTGTATGCTGTGTCC
 AATCACTCCGGAACCACCATGGGAGTCACTATACAGCCTACTGCCGAAGTCCGTTACGGGCGAATGGC
 ACACTTTCATGACTCCAGTGTACACCCATGTCTCCAGCCAAGTGCACACCAGCGACGCTATTTGTT
 CTCTATGAACGGCCAGTCCACCCTCCCGTAT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053774

Insert Size: 1857 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq: [NM_053774.2](#), [NP_446226.2](#)

RefSeq Size: 2095 bp

RefSeq ORF: 1857 bp

Locus ID: 115771

UniProt ID: [Q5U349](#)

Cytogenetics: 8q22

Gene Summary: deubiquitinating enzyme, removes ubiquitin from covalent attachments to itself or other proteins [RGD, Feb 2006]