

Product datasheet for RN204093

Usp48 (NM_198785) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp48 (NM_198785) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Usp48
Synonyms:	synUSP; Usp31
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204093 representing NM_198785 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGGCTGCAGCTAGAGAAGGCGCCTGGCGCTGGCGGAGACGGTGGCGCCGAGGAGGTGT
CGCAGGAGCATATCGAGACCGCCTACCGCATCTGGCTGGAGCCCTGTATCCGAGGCGTGTGCAGAAGAAA
CTGCAGAGGAAATCCGAATTGCTTAGTTGGGATTGGCGAGCACATTTGGTTAGGAGAAATAGATGAGAAT
AGTTTTTCATAACATTGATGACCCCAACTGTGAGAGGAGGAAAAAGAATTGTTTTGTGGCCCTGACTAATC
TGGGAGCCTCCTGTTACGTCAACACCTTCTCCAGGTGTGGTTCCCTCAACTTGGAGCTTCGGCAGGCGCT
ATACTTATGCCAAGCACCTGTAGTGATTACACGAAGGGAGATGGTATCCGTGGAGGAAAAGATTATGAG
CCTCAGACAATTTGTGAGCATCTTCAGTACTTGTGGCTTTGTTGCAAAACAGTAACAGACGATACATCG
ATCCTTCAGGATTTGTTAAAGCCTTGGGCTTGGACTGGCCAGCAGCAGGATGCACAAGAGTCTTCCAA
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CAGCAGTCTGTGGGGAGTACGCCTATGTGACAGTGTGCAGTCAAGTGTGGCCGAGAGTCTAAGCTCGTAT
CGAAGTCTATGAACTGGAGTTAAACATCCAAGGCCACAAGCAGTTAACAGACTGCATCTCCGAGTTCCT
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GACCCGAAAACCAAGTGTGGCAAAGAACTCACTGCTCTCGAAATGCATACATGTTGGTTTATAGACTG
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GAAGCACGAGGAGGTGAAGGAGCTGTACCAAAGGTTGCCTGCTGGAGCTGAGCCCTATGAGTTTGTCTCT
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GTTCCCATGACAAGCTCCATCCAGACAAAATATCAATTATGAAGAGAATATCGGAATACGCAGCTGACAT
TTTCTATAGTCGATATGGAGGAGGTCCCAGACTCACTGTGAAAGCCCTCTGTAAGGACTGTGTTGTGGAG
CGCTGTGCCTACTGCGCCTGAAGAATCAACTAAATGAAGATTACAAAAGTGTCAACAATTTGCTGAAAG
CAACAATGAAGGGCAGTGATGGATTTGGGTAGGAAAGTCTTCTTGGCAGCTGGGCCAGCTGGCTCT
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AAAGATGAATCAAAGGAAGAAAAGAAGGAAGAGGAGGAGGAAGTAAATTTAATGAAGACATTCTGTGTC
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GCAGTATTTCCCAAAGGCTCCTGAGTTCCAAGTTACAAAGAGTGTGCTCGCAATGCAAGATACTAGAA
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AGGCAGATGAGCCAATCGCAGACTACGCTGCAATGGATGATGTCATGCAAGTTTGTATGCCGGAAGAGGG
CTTTAAAGGTACAGGCCTGCTTGGACATTA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198785
- Insert Size:** 3111 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_198785.1](#), [NP_942080.1](#)
- RefSeq Size:** 5738 bp
- RefSeq ORF:** 3111 bp

Locus ID: 362636

UniProt ID: [Q76LT8](#)

Cytogenetics: 5q36

Gene Summary: plays a role in protein ubiquitination; may contribute to synaptic plasticity [RGD, Feb 2006]