

Product datasheet for **RR204093**

Usp48 (NM_198785) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp48 (NM_198785) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp48
Synonyms:	synUSP; Usp31
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204093 representing NM_198785 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGGCTGCAGCTAGAGAAGGCGCCTGGCGCTGGCGGAGACGGTGGCGCCGAGGAGGTGT
CGCAGGAGCATATCGAGACCGCCTACCGCATCTGGCTGGAGCCCTGTATCCGAGGCGTGTGCAGAAGAAA
CTGCAGAGGAAATCCGAATTGCTTAGTTGGGATTGGCGAGCACATTTGGTTAGGAGAAATAGATGAGAAT
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CAGCAGTCTGTGGGGAGTACGCCTATGTGACAGTGTGCAGTCAGTGTGGCCGAGAGTCTAAGCTCGTAT
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CTTGAGTGGTGCAGAAGTGGCTGGATGAATCAACCCCTACCAAACCTATTGATAAATGCCTGCCTGT



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GTTC CATGACAAGCTCCATCCAGACAAAATATCAATTATGAAGAGAATATCGGAATACGCAGCTGACAT
 TTTCTATAGTCGATATGGAGGAGGTCCCAGACTCACTGTGAAAGCCCTCTGTAAGGACTGTGTTGTGGAG
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204093 representing NM_198785
 Red=Cloning site Green=Tags(s)

MAPRLQLEKAAWRWAETVRPEEVSQEHIEIETAYRIWLEPCIRGVCRNRNCRGNPNCLVIGIHEIWLGEIDEN
 SFHNIDDPNCERRKNSFVGLTNL GASCYVNTFLQVWFLNLELRQALYLC PSTCSDYTKGDGIRGGKDYE
 PQTICEHLQYLFALLQNSNRRYIDPSGFVKALGLDTGQQQDAQESSKLFMSLLEDLTSKQKPNPDVRNVVQ
 QQFCGEYAYVTVC SQGRESKLVSKFYELNLIQGHKQLTDCISEFLKEERLEGNRYFCENCQSKQNAT
 RKIRLLSLPCTLNLQLMRFVFDRTGHKKLNAYIGFSESLDMEPYVEHKGGSFVYELSAVLIHRGVSAY
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 QTQEKNHMTMVQPAFLQELVDRDNSKFEWCVEMAEMRRQSVDKGRAKHEEVKELYQRLPAGAEPYEFVS
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 KDESKKEEKEEELNFNEDILCPHGELSI SENERRLVSQEAWSKLQQYFPKAPEFPSYKECCSQCKILE
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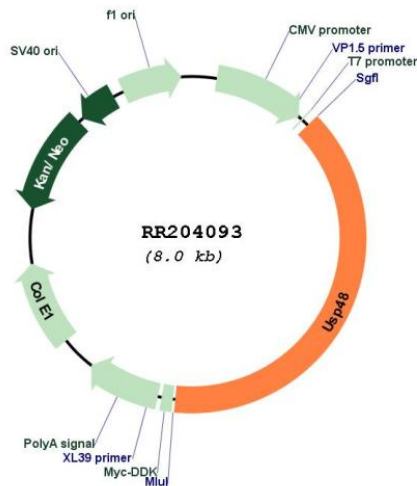
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198785

ORF Size: 3108 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:	<ol style="list-style-type: none">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:	<u>NM_198785.1</u> , <u>NP_942080.1</u>
RefSeq Size:	5738 bp
RefSeq ORF:	3111 bp
Locus ID:	362636
UniProt ID:	<u>Q76LT8</u>
Cytogenetics:	5q36
MW:	118.8 kDa
Gene Summary:	plays a role in protein ubiquitination; may contribute to synaptic plasticity [RGD, Feb 2006]