

Product datasheet for **RN213584**

Usp49 (NM_001136470) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp49 (NM_001136470) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Usp49
Synonyms:	RGD1310513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213584 representing NM_001136470
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATAGATGCAAACATGTAGGGCGTTACGGCTCGCCAGGATCACTCCATCCTGAACCCCCAGAAGT
 GGTGCTGTCTGGAGTGCCACCACCGAGTCTGGTGGGCTTGCCTCAAGTGCTCCACGTGGCTTGCGG
 CCGCTACATTGAAGACCATGCACTAAAACACTTTGAAGAGACCGACACCCGCTGGCCATGGAGTCCGG
 GATCTCTACGTGTTCTGTACTGTGCAAGGATTACGTGCTCAATGACAACCCGAAGGGGACCTGAAGT
 TGCTAAGAAGCTCCCTCTGGCTGTTGAGGCCAGAAGCAGGACCTGCCCGGAGGCGTGGGCGGACGCT
 GCGGTCCACAGCTGCAGGCGAGGACGTGGTCCCGCCGAGCGTACTCCTCAGGGACAGCCGAGATGCTC
 ACGGCTCTGTGGTACCGGCGCCAGCGCTTGCTGGCCAAGACGCTGCGGCTCTGGTTTGAGAAGAGCTCC
 GCGGCCGTGCGCAGCTGGAGCAGCGCGCAGGAGGAGGCGCTGGAGCGTAAGAAGGAGGCGCGCGGCA
 GCGACGGCGCAGGTCAAGAGGCGGCTGCTGGAGGAGTGCCAGCGCGCCGCGGAAGAGTGCAGCGC
 CTGCTCCTGCACGCTCCCGGGCCCGTGGCCGTGCGCCCTGCTACCCTCGTACCTCCCGGCGCATGTCCG
 CTGCTGCCCTCAAGCCGCGCCGTGAGTGGCGGTGGCCCCGGGTGTTACTGGGCTGCGCAACCTGGGTAA
 CACCTGCTACATGAACCTCATCTCCAGGTGCTCAGCCACCTCCAGAAGTCCGGGAATGTTTCTGAAC
 CTCGACCCCTCCACCTCCGAGCACCTGTTTCCCAAGCAACCAACGGGAAGGCTCAGATCCCTAGCAGGC
 CAGCCAGCAGCACTGCCGCGGGTTCTCAGTAAGGAGTGACCGGGCCAGGGGTTCAACCTCAGGGCTT
 CTGCTGGAGCAGCGGAGCCTCCATCAGCAGGAGCTAGAGCTCATTGAGAACAAGGAACCCAGCTCAAAG
 CACATTTCTCTGCCACGAACGCACACCCTTCCGAGTCATGTGGTCTGGGAAGTGGGCGCTGGTAT
 CACCCCTTGCCATGCTTCACTCCGTGTGGAGCCTGATTCCCGCCTCCGAGGCTACGATCAGCAGGATGC
 GCAGGAATTTCTCTGCGAACTGCTGCACAAGGTACAGCAGGAGCTTGAGTCTGAGGGCTCCACACGCGG
 ATCCTCATCCCCTTCTCCAGAGGAAGCTCACCAAGCAGGTCTTAAAGTGGTGAACACTATATTTTCATG
 GGCAGTCTCAGTCAGTACATGTGTATCATGCAATTATAAATCCAATACCATTGAGCCCTTTTGGGA
 TCTATCCCTGGAATTTCTGAACGATACCACTGCGTAGAGAAGGGGTTTGTCCCTTGAATCAGACAGAG
 TGCCTGCTCACTGAAATGCTAGCCAAGTTCACCGAGACAGAGGCCCTGGAGGGGAGAATCTACGCTTGTG
 ACCAGTGAACAGCAAACGACGAAAGTCCAACCCCAAACCCCTTGTCTGAGTGAAGCTAGGAAGCAGTT
 AATGATCTACAGACTACCTCAGGTCTCCGGCTACACCTTAAAGATTGAGTGGTCTGGCCGTAACCAT
 CGTGAGAAGATCGGGTCCATGTCGTCTTTGATCAGGTGTTAACCATGGAACCTTACTGCTCGGGGACA
 TGCTCTCCTCCCTTGACAAAGACACCTTTGCCTATGACCTCTCCGAGTGGTCATGCATACGGGAAAGG
 GTTTGGCTCAGGACACTACACAGCCTATTGCTACAACACAGAGGGAGGTTTTTGGGTCCACTGCAATGAC
 TCAAAGCTGGATGTATGCAAGTGTGGAGGAAGTGTGCAAAACCCAGGCCTACATTTCTTTTACACTCGAA
 GAACAGTTCAGGGCAGCGCAAACTCTCAGAACCCCATCTCCGAGCTCAGGTGCACTCCAGCAGCAAGGA
 CGATCGCAGAACATACACATTTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001136470
- Insert Size:** 2058 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_001136470.1](#), [NP_001129942.1](#)

RefSeq Size: 5363 bp

RefSeq ORF: 2058 bp

Locus ID: 316211

Cytogenetics: 9q12