

Product datasheet for **RN215554**

Os9 (NM_001007265) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Os9 (NM_001007265) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Os9
Synonyms:	Os-9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215554 representing NM_001007265
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGAGGCGCTGCTGTCCAGTCTGTTGGGATTGCTATTTCTGGGGCTCCTGTTACCTGCGCATC
 TGACGGGCGGTGTGGGAGCCTGAATTTGGAGGAGCTGAGTGAGATGCGTTATGGCATCCAGATCCTGCC
 GTTGCCTGTCATGGGAGGCAGAGCCAAGCTTCAGACGTGGTGGTGTGTCTTCAAAGTACAAAACAGCGC
 TATGAGTGCCGCTACCAGCTGGAGCTATTCACTTCCAGCGTGAAAGGGAGGAGGAGACACCTGCTTACC
 AGGGGCCCGGATTCTGAATTGTTGAGCCCAATGAGAGATGCCCTTGTCTGCTGAAGACCAAGGACTG
 GTGGACATATGAATTCTGTTATGGACGCCATATCCAGCAGTACCATATGGAAGACTCGGAGATCAAAGGT
 GACGTCCTCTACCTTGGCTACTACCAGTCAGCCTTCAACTGGGACGATGAAACAGCCAAGGCTCCAAGC
 AGCATCGGCTGAAACGCTACCACAGCCAGACCTACGGCAATGGTCCAAATGCGATCTCAATGGGAAGCC
 CAGAGAAGCTGAAGTTCCGTTCTGTGTGACGAGGGCGGGGCATATCTGGGACTACATCGATCGAGTA
 GATGAACCCTTCTCTGCTCCTACGTACTGAGCATTTCGGACATCGAGGCTCTGCCACACCTCTCCTCC
 GCCCACCAGCCAGCGCTGCCCCACAGGCTATTCTATGTCACCCAGCCCTGCAGCCTGACGAGTACATGGC
 CTACCTCCAGAGGCAAGCTGAGTCAAAGCAGCATGAAGAGAAAGTACAGAGGAAGTTACAGGACACAGAC
 CACCAAGTGTGGAGTGGGAGCAAGGCTGCCGGAGCACCCCAAAGAAAGAAGATGTGAGCCCCACCAAGG
 AAGATAAGGAATCAGAGTTTTGGAAAATGCTTCAGGAGCCAGAGGAGCAGGCTACAGGAACAGAGGAAGC
 ACAGGCAGGGGAACAGGACCTGAACCATGAGGCTGCAGCAGACCCAGCTCCAGCCCCTCCACTGATTTT
 CAGAATAATGTGACAGTCAAACCTATCCGGAGTCTGCAGATTTGATTGATTGATCGAGGAGCTAAAAG
 GTGCAGAAAAGGGGAAGCCAAGCGTAAGGCAGGAGCAGCCTGGAGATGATACCACAGAGGCCCCCGCAGAG
 GGAAGCGGAGGCGAAGGGAAAGGTTGGTAACCCCGGGTCTCGTGGAAGAAGAGGATGGTGACGAGGAG
 GAGGAGGACGAGGACGAGGATGAGCAGCAGCTCCTGGGAGAGTTCGAGAAGGAGTTGGAGGGGATGCTGC
 TGCCCTCGGACCGAGAGCGCTGCGCTCAGAGGTTAAGGCTGGCATGGAGCGCGAGCTGGAAAACATCAT
 CCAGGAGACAGAGAAGGAACTGGACCCAGAAGGGCTGAGGAAGGAGTCTGAGCGGGAGCAGGCAATATTG
 GCTCTGACATCCACTCTGGACAACTCATCAAGAGGCTGCAGGAGAGCCAGAGTCCAGAGCTTGCCAGA
 AATACAAGAAAAGGAGAGTTGTCCCTCAAAGCCTCCCCATCACCGCACCTACAGAGGAGGAGCCTGA
 GCACAGAGTCCGGTCCGAGTACCAAGCTCCGTATGGAGGCCCAATCAGGACCTGACTGTCTGGAG
 ATGAACCGGGAAAACCCACAGCTGAAACAGATCGAGGGGCTGGTGACAGAAGTGTGGAGAGGGAGGGGC
 TCACGGCGGAAGCAAGATTGAGATCAAATTTGTGCGACCCGGGGCTGAAGGTAAGGAGGAGGACACAG
 CTGGCTGACTGATGAGGACACAAGAAACCTTAAGGAGATTTTCTCAATATCTTGGTGCAGGAGAGCAA
 GAGGCCAATAAAGAACGCCAGCGACAGAGTGGAGCAATTACCGCGTGTATGGGGCTCTCCGG
 GTGGAGAGGATACAGGGGACCTGGATGAGTTTGACTT**CGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001007265
- Insert Size:** 2001 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_001007265.1](#), [NP_001007266.1](#)

RefSeq Size: 2639 bp

RefSeq ORF: 2001 bp

Locus ID: 362891

UniProt ID: [Q5RKH6](#)

Cytogenetics: 7q22

Gene Summary: Lectin which functions in endoplasmic reticulum (ER) quality control and ER-associated degradation (ERAD). May bind terminally misfolded non-glycosylated proteins as well as improperly folded glycoproteins, retain them in the ER, and possibly transfer them to the ubiquitination machinery and promote their degradation. Possible targets include TRPV4 (By similarity).[UniProtKB/Swiss-Prot Function]