

## Product datasheet for **MC220366**

### Os9 (NM\_001171026) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Os9 (NM_001171026) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Os9
Synonyms:	4632413K17Rik; AU022351
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220366 representing NM\_001171026  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGGGAGGTGCTGCTGTCCAGTCTGTTGGGATTGCTATTTCTAGGGCTCCTGTTACCTGCGCGTC  
 TGACGGGCGGTGTGGGAGCCTGAATTTGGAGGAGCTGAGTGAGATGCGTTATGGCATCCAGATCTTGCC  
 GTTGCCTGTCATGGGAGGCAGAGCCAAGCTTCAGACGTGGTGGTGTGTCTTCAAAGTACAAACAGCGC  
 TATGAGTGCCGCTACCAGCTGGAGCTATTCACTTCCAACGTGAAAGAGAGGAGGAGACGCTGCTTACC  
 AGGGGCCCGGGATCCCTGAATTGTTGAGCCAATGAGAGATGCCCTTGTGGTGAAGACCAAGGACTG  
 GTGGACATATGAATTCTGTTATGGACGTCATATCCAGCAGTACCATATGGAAGACTCGGAGATCAAAGGT  
 GACGTCCTCTATCTTGGCCACTACCAGTCTCTTCAACTGGGACGACGAAACAGCCAAGGCTTCCAAGC  
 AGCATCGGCTGAAACGCTACCACAGCCAGACCTACGGCAACGGGTCCAAATGTGATCTCAACGGGAAGCC  
 CCGAGAAGCTGAAGTTCCGGTTCCTGTGTGACGAGGGTGCGGGCATATCTGGGACTACATTGACCGAGTA  
 GATGAACCCGTCCTGCTCCTACGTAAGTACGACATTTCGCACGTCAAGGCTCTGCCCGCATCTCTCTCC  
 GGCCACCAGCCAGCGCTGCCCCACAGGCCATTCTTTGTCACCCAGCCCTGCAGCCTGATGAGTACATGGC  
 CTACCTCCAGAGGCAAGCTGAGTCAAAGCAGCATGAAGAGAAAACACAGAGGAAGTCCAGGACACAGAC  
 CGCCAAGTGTGGAGTGGGAGCAAGGCTGCCGGAGCACCCCAAAGAAAGAAGATGTCAGCCAGCCAAGG  
 AAGAGAAGGAATCAGAGCTCTGGAAGCTTCAGGGGCCAGAGGAGCAGGCAGCAGCAAGAGAGGAGGCGCA  
 GGCAGGGGAACAGGACCTGAACACAGGCGCAGCAGATCCAGCTCCAAGCCCTCCCAATGATTTTCAG  
 AATAACGTGCAGGTGAACTCATCCGGAGTCCCGCAGACTTGATTGACTGATTGAGGAGCTGAAAGCTG  
 CAGAAAAGGGGAAGCCAAGCGTAAGGCGGGAGCAGCCTGGAGAGTACCACGGAGGCCCCAGAGGGGA  
 AGCAGAGGGAACGAAGGCGAAGGAAAGGATGGTGAAGCCCGGGTCTTATGGAAGAGGAGGATGGTGAC  
 GACGAAGAGGAGGAGGAGGAGGAGGAAAGGACGAGGAGGAGCAGCAGCTCCTGGGAGAGTTCGAGAAGG  
 AGCTGGAGGGGATGTTGCTGCCCTCAAACCGCAGCGCCTCCGCTCTGAGGTTAAGGCTGGCATGGAGCG  
 GGAGCTGGAGAACATCATCCAGGAGACAGAGAAGGAACTGGACCCAGAAGGGCTGAGGAAGGAGTCCGAG  
 CGGGAGCAGGCAATATTGGCTCTAACATCCACTCTGGACAACTCATCAAGAGGCTGCAGGAGAACCAGA  
 GTCCAGAGCTTGTCAAAAATACAAAAAAGGAGAGTTGTCCCCAAAAGCCTCCCCATCACCACACC  
 TACAGAGGAGAACCTGAGCACAGAGTCCGGTCCGAGTACCAAGCTCCGTCCTGGAGGCCCAATCGG  
 GACCTGACTGTCTGGAGATGAACCGGAAAACCCACAGCTGAAACAGATCGAGGGGCTGGTGACAGAAG  
 TGCTGGAGAGGGAGGGGCTCACGGCGGAAGGCAAGATTGAGATCAAGATTGTGCGACCCGGGGCTGAAGG  
 TAAGGAAGAGGACACACGCTGGCTGACTGATGAGGATACAAGAACTTAAGGAGATTTTCTTCAATATC  
 TTGGTACAGGGAGCCGAAGAGGCAATAAAGAGCGCCAGCGACAGAGTGAAGTGGAGAGCAACTACCGCC  
 GGGTGTGGGGCTCTCCCGTGGTGAAGACACGGGGACCTGGATGAATTTGACTT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001171026
- Insert Size:** 2019 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\\_001171026.1](#), [NP\\_001164497.1](#)

**RefSeq Size:** 4049 bp

**RefSeq ORF:** 2019 bp

**Locus ID:** 216440

**UniProt ID:** [Q8K2C7](#)

**Cytogenetics:** 10 D3

**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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.