

## Product datasheet for **SC332771**

### OS9 (NM\_001261422) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OS9 (NM\_001261422) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** OS9  
**Synonyms:** ERLEC2; OS-9  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332771 representing NM\_001261422.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGCGAAACGCTGCTGTCCAGTTTGTAGGACTGCTGCTTCTGGGACTCCTGTTACCCGCAAGT
CTGACCGCGGTGTCGGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGTTATGGGATCGAGATCCTG
CCGTTGCCTGTGATGGGAGGCGAGACCAATCTTCGGACGTGGTATTGTCTCCTCTAAGTACAAACAG
CGCTATGAGTGTCGCCTGCCAGCTGGAGCTATTCACCTCCAGCGTAAAGGGAGGAGAAACACCTGCT
TACCAAGGGCCTGGGATCCCTGAGTTGTTGAGCCCAATGAGAGATGCTCCCTGCTTGTGAAGACAAAG
GACTGGTGGACATATGAATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTGAGAGATC
AAAGGTGAATTCCTCTGTGACGAGGGTGCAGGTATCTCTGGGACTACATCGATCGCGTGGACGAGCCC
TTGTCCTGCTCTTATGTGCTGACCATTCGCACTCCTCGGCTCTGCCCCACCCTCTCTCCGGCCCCCA
CCCAGTGTGACCCGAGGCCATCCTCTGTACCCCTCCCTACAGCCTGAGGAGTACATGGCCTACGTT
CAGAGGCAAGCCGACTCAAAGCAGTATGGAGATAAAATCATAGAGGAGCTGCAAGATCTAGGCCCCCAA
GTGTGGAGTGAGACCAAGTCTGGGGTGGCACCCAAAAGATGGCAGGTGCGAGCCGACCAAGGATGAC
AGTAAGGACTCAGATTTCTGGAAGATGCTTAATGAGCCAGAGGACCAGGCCCCAGGAGGGGAGGAGGTG
CCGGCTGAGGAGCAGGACCAAGCCCTGAGGCAGCAGATTCAGCTTCTGGTGTCCCAATGATTTTCAG
AACACGTGCAGGTCAAAGTCATTCGAAGCCCTGCGGATTTGATTTCGATTCATAGAGGAGCTGAAAGGT
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AGGGAACAGAGAAGGAAAGGGTGATCCAGAACGGCAGAGAGAGATGGAAGAAGAGGAGGATGAGGAT
GAGGATGAGGATGAAGATGAGGATGAACGGCAGTTACTGGGAGAATTTGAGAAGGAACTGGAAGGGATC
CTGCTCCGTCAGACCGAGACCGCTCCGTTCCGGAGGTGAAGGCTGGCATGGAGCGGAACTGGAAGAAC
ATCATCCAGGAGACAGAGAAAGAGCTGGACCCAGATGGGCTGAAGAAGGAGTCAAGCGGGATCGGGCA
ATGCTGGCTCTCACATCCACTCTCAACAACTCATCAAAAGACTGGAGGAAAAACAGAGTCCAGAGCTG
GTGAAGAAGCACAAGAAAAAGAGGGTTGTCCCAAAAAGCCTCCCCATACCCCAACCTACAGGGAAA
ATTGAGATCAAAATTGTCGCCCATGGGCTGAAGGGACTGAAGAGGGTGCACGTTGGCTGACTGATGAG
GACACGAGAAACCTCAAGGAGATCTTCTCAATATCTTGGTGCCGGGAGCTGAAGAGGCCAGAAGGAA
CGCCAGCGGCAGAAAGAGCTGGAGAGCAATTACGCCGGGTGTGGGGCTCTCCAGGTGGGAGGGCA
GGGACCTGGACGAATTTGACTTGA
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**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_001261422



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<b>Insert Size:</b>	1683 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001261422.1</a></u>
<b>RefSeq Size:</b>	2574 bp
<b>RefSeq ORF:</b>	1683 bp
<b>Locus ID:</b>	10956
<b>UniProt ID:</b>	<u><a href="#">Q13438</a></u>
<b>Cytogenetics:</b>	12q13.3-q14.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	63.2 kDa
<b>Gene Summary:</b>	<p>This gene encodes a protein that is highly expressed in osteosarcomas. This protein binds to the hypoxia-inducible factor 1 (HIF-1), a key regulator of the hypoxic response and angiogenesis, and promotes the degradation of one of its subunits. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (7) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. The resulting isoform (7) is shorter than isoform 1.</p>