

Product datasheet for **SC302086**

OS9 (NM_001017957) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OS9 (NM_001017957) Human Untagged Clone
Tag:	Tag Free
Symbol:	OS9
Synonyms:	ERLEC2; OS-9
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001017957, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGAAACGCTGCTGTCCAGTTTGTAGGACTGCTGCTTCTGGGACTCCTGTTA
CCCAGAGTCTGACCGCGGTGTGCGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGT
TATGGGATCGAGATCCTGCCGTTGCCTGTCATGGGAGGGCAGAGCCAATCTTCGGACGTG
GTGATTGTCTCCTCTAAGTACAAACAGCGCTATGAGTGTGCTGCCAGCTGGAGCTATT
CACTTCCAGCGTAAAGGGAGGAGGAAACACCTGCTTACCAAGGGCCTGGGATCCCTGAG
TTGTTGAGCCCAATGAGAGATGCTCCCTGCTTGTGAAGACAAAGGACTGGTGGACATAT
GAATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTGAGAGATCAAAGGT
GAAGTCTCTATCTCGGCTACTACCAATCAGCCTTCGACTGGGATGATGAAAACAGCCAAG
GCCTCAAAGCAGCATCGTCTTAAACGCTACCACAGCCAGACCTATGGCAATGGGTCCAAG
TGCGACCTTAATGGGAGGCCCGGGAGGCCGAGGTTTCGGTTCCTGTGACGAGGGTGCA
GGTATCTCTGGGACTACATCGATCGCGTGGACGAGCCCTTGCTCTCTTATGTGCTG
ACCATTGCACTCCTCGGCTCTGCCCCACCCTCTCTCCGGCCCCACCAGTGTGCA
CCGCAGGCCATCCTCTGTACCCTTCCCTACAGCCTGAGGAGTACATGGCCTACGTTTCAG
AGGCAAGCCGACTCAAAGCAGTATGGAGATAAAATCATAGAGGAGCTGCAAGATCTAGGC
CCCCAAGTGTGGAGTGAGACCAAGTCTGGGGTGGCACCCCAAAGATGGCAGGTGCGAGC
CCGACCAAGGATGACAGTAAGGACTCAGATTTCTGGAAGATGCTTAATGAGCCAGAGGAC
CAGGCCCCAGGAGGGGAGGAGGTGCCGGCTGAGGAGCAGGACCCAAGCCCTGAGGCAGCA
GATTACAGTCTTGGTGTCCCAATGATTTTTCAGAACACGTGCAGGTCAAAGTCATTTCGA
AGCCCTGCGGATTTGATTCGATTCATAGAGGAGCTGAAAGGTGGAACAAAAAGGGGAAG
CCAAATATAGGCCAAGAGCAGCCTGTGGATGATGCTGCAGAAGTCCCTCAGAGGGAACCA
GAGAAGGAAAGGGGTGATCCAGAACGGCAGAGAGAGATGGAAGAAGAGGAGGATGAGGAT
GAGGATGAGGATGAAGATGAGGATGAACGGCAGTTACTGGGAGAATTTGAGAAGGAACTG
GAAGGGATCCTGCTCCGTGAGACCGAGACCGGCTCCGTTCCGGAGACAGAGAAAGAGCTG
GACCCAGATGGGCTGAAGAAGGAGTCAAGAGCGGGATCGGGCAATGCTGGCTCTCACATCC
ACTCTCAACAACTCATCAAAGACTGGAGGAAAAACAGAGTCCAGAGCTGGTGAAGAAG
CACAAGAAAAAGAGGGTGTCCCCAAAAGCCTCCCCATCACCCCAACCTACAGGGAAA
ATTGAGATCAAAATTGTCCGCCATGGGCTGAAGGGACTGAAGAGGGTGCACGTTGGCTG
ACTGATGAGGACAGGAAACCTCAAGGAGATCTTCTTCAATATCTTGGTCCCGGGAGCT
GAAGAGGCCCAGAAGGAACGCCAGCGGCAGAAAGAGCTGGAGAGCAATTACCGCCGGGTG
TGGGGCTCTCAGGTGGGAGGGCACAGGGGACCTGGACGAATTTGACTTCTGA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001017957
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001017957.1, NP_001017957.1</u>
RefSeq Size:	2511 bp
RefSeq ORF:	1794 bp
Locus ID:	10956
UniProt ID:	<u>Q13438</u>
Cytogenetics:	12q13.3-q14.1
Protein Families:	Transmembrane
Gene Summary:	<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 (3) uses an alternate in-frame splice site in one exon and lacks another in-frame exon, compared to variant 1. The encoded isoform (3, also referred to as OS-9-3) is shorter than isoform 1.</p>