

Product datasheet for **SC115867**

OS9 (NM_006812) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OS9 (NM_006812) Human Untagged Clone
Tag:	Tag Free
Symbol:	OS9
Synonyms:	ERLEC2; OS-9
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene ORF within SC115867 sequence for NM_006812 edited (data generated by NextGen Sequencing)

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ATGGCGGCGGAAACGCTGCTGTCCAGTTTGTAGGACTGCTGCTTCTGGGACTCCTGTTA
CCC GCAAGTCTGACCGGCGGTGTGCGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGT
TATGGGATCGAGATCCTGCCGTTGCCTGTCATGGGAGGGCAGAGCCAATCTTCGGACGTG
GTGATTGTCTCCTCTAAGTACAAACAGCGCTATGAGTGTGCGCTGCCAGCTGGAGCTATT
CACTTCCAGCGTAAAAGGGAGGAGGAAACACCTGCTTACCAAGGGCCTGGGATCCCTGAG
TTGTTGAGCCCAATGAGAGATGCTCCCTGCTTGTGAAGACAAAGGACTGGTGGACATAT
GAATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTTCAGAGATCAAAGGT
GAAGTCTCTATCTCGGCTACTACCAATCAGCCTTCGACTGGGATGATGAAAACAGCCAAG
GCCTCAAAGCAGCATCGTCTTAAACGCTACCACAGCCAGACCTATGGCAATGGGTCCAAG
TGCGACCTTAATGGGAGGCCCGGGAGGCCGAGGTTTCGGTTCCTGTGACGAGGGTGCA
GGTATCTCTGGGACTACATCGATCGCGTGGACGAGCCCTTGTCTGCTTATGTGCTG
ACCATTCGCACTCCTCGGCTCTGCCCCACCCTCTCTCCGGCCCCACCAGTGTGCA
CCGCAGGCCATCCTCTGTCAACCCTCCCTACAGCCTGAGGAGTACATGGCCTACGTTTCAG
AGGCAAGCCGACTCAAAGCAGTATGGAGATAAAATCATAGAGGAGCTGCAAGATCTAGGC
CCCCAAGTGTGGAGTGAGACCAAGTCTGGGGTGGCACCCCAAAGATGGCAGGTGCGGAGC
CCGACCAAGGATGACAGTAAGGACTCAGATTTCTGGAAGATGCTTAATGAGCCAGAGGAC
CAGGCCCCAGGAGGGGAGGAGGTGCCGGCTGAGGAGCAGGACCCAAGCCCTGAGGCAGCA
GATTACGTTCTGGTGTCCCAATGATTTTTCAGAACACGTGCAGGTCAAAGTCATTTCGA
AGCCCTGCGGATTTGATTCGATTCATAGAGGAGCTGAAAGGTGGAACAAAAAGGGGAAG
CCAAATATAGCCAAGAGCAGCCTGTGGATGATGCTGCAGAAGTCCCTCAGAGGGAACCA
GAGAAGGAAAGGGGTGATCCAGAACGGCAGAGAGAGATGGAAGAAGAGGAGGATGAGGAT
GAGGATGAGGATGAAGATGAGGATGAACGGCAGTACTGGGAGAATTTGAGAAGGAACTG
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GAGCGGGAACGGAGAACATCATCCAGGAGACAGAGAAAGAGCTGGACCCAGATGGGCTG
AAGAAGGAGTCAGAGCGGGATCGGGCAATGCTGGCTCTCACATCCACTCTCAACAACTC
ATCAAAAGACTGGAGGAAAAACAGAGTCCAGAGCTGGTGAAGAAGCACAAGAAAAAGAGG
GTTGTCCCAAAAAGCCTCCCCATCACCCCACTACAGAGGAGGATCCTGAGCACAGA
GTCCGGGTCCGGGTACCAAGCTCCGTCTCGGAGGCCCTAATCAGGATCTGACTGTCTC
GAGATGAAACGGGAAAACCCACAGCTGAAACAAATCGAGGGGCTGGTGAAGGAGCTGCTG
GAGAGGGAGGGACTCACAGCTGCAGGAAAATTGAGATCAAATTTGTCGGCCCATGGGCT
GAAGGGACTGAAGAGGGTGCACGTTGGCTGACTGATGAGGACACGAGAAACCTCAAGGAG
ATCTTCTCAATATCTTGGTGCCGGGAGCTGAAGAGGCCAGAAGGAACGCCAGCGGCAG
AAAGAGCTGGAGAGCAATTACCGCCGGGTGTGGGGCTCTCCAGGTGGGGAGGGCACAGGG
GACCTGGACGAATTTGACTTCTGA
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Clone variation with respect to NM_006812.3
1395 a=>g

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006812 unedited TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGGAACGAAAGA GGCGGCGGAAACGCTGCTGTCCAGTTTGTAGGACTGCTGTTCTGGGACTCCTGTTACC CGCAAGTCTGACCGGCGGTGTCGGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGTTA TGGGATCGAGATCCTGCCGTTGCCTGTCATGGGAGGGCAGAGCCAATCTTCGGACGTGGT GATTGTCTCCTCTAAGTACAAACAGCGCTATGAGTGTGCGCTGCCAGCTGGAGCTATTCA CTTCCAGCGTGAAGGGAGGAGGAAACACCTGCTTACCAAGGGCCTGGGATCCCTGAGTT GTTGAGCCCAATGAGAGATGCTCCCTGCTTGTGAAGACAAAGGACTGGTGGACATATGA ATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTCAGAGATCAAAGGTGA AGTCTCTATCTCGGCTACTACCAATCAGCCTTCGACTGGGATGATGAAACAGCCAAGGC CTCCAAGCAGCATCGTCTTANACGCTACCACAGCCAGACCTATGGCAATGGGTCCAAGTG CGACCTTAATGGGAGGCCCGGGAGGCCGAGGTTTCGGTTCCTCTGTGACGAGGGTGCAG GTATCTCTGGGACTACATCGATCGGTGGACGAGCCCTTGTCTGCTCTTATGTGCTGA CCATTGCACTTCTCGGTTTGGCCCCACCTTCTCNCGGCCCCACCCANTGCTGCACC GCAGCCATCCTTTGTACCCTCCCTACAGCCTGGAGAGTCTGGGCCTACGTTTCAGAGGC AAGCCGACTCAAAGCAGTTTGGAGATAAAATCTTC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006812 unedited GCTATGGACCGCGCCCAATCTAAGATCGAGTTTTTTTTTTTTTTTTTTTGGTCCAG TTGTTTTATTTAGAAACCTGATTGTTCAAGAACATGGTGGGTGCTTACACCTTTTTTCGCT GGGATTGTGCTGGAGGTGATAGGCAGCATTCTACCATTTCTCAGCAACAGAGGTGAAGG CTCCTCAACTCAGAAGCACAAATTGTAGGGGACAGGGTGGGCAGGAAAGGGAGAAGGAA ATCCCAAGGCAATTCAATAGAAGAGGGTAAAACGACTCCAACATCACTAAGGGCAGGTG GGGGCCTGCTTGCTCAGTGCCTGCTAAGTGTCTGCCCTCCTTGCTCTCTACCCACCT CCTCAAAAAGATCCTACTGAATCTCCAGGTAGGCAGCAGGGAATATCCTATCATTAGGG GACAATAACAGGAAAAGCCACAGAGGAGAGGAAGAGGATTGAGTGAGAGTTCAAGAGAGC AAATATCACAGGCCCGGTGAGGTCTCAAGGTGGCTGCCAGCAGGGGCAGCAGCATTACCC CAGGGCCCCCACCCACAGAGTTGCCCGAGAGGTCCACAGCTCAGCTCCACTCTGCTGT TTGGCCCTCAGGGGTTCCAGGGTGGGGAGGTGGGGAGGAGGCAAGCCAGTCCAGGAAGAG TCTGGATTCCGTGAAGGGTCAAGTGTAGTGTGGTCTCAAAAGTCAAATTCGTCCAGGTG CCCTGTGCCCTCCACCTGGAGAGCCCCACCCGCGCAGTAATTGCTCTCCAGCTCTTT CTGCCGCTGGCAGTCTCTGGGCTCTCAGCTCCCGCACCAAGATATGAAGAAAACCTCT TGAGGTTCTCGTGCCTCTCAGTCAGCCAGTGCACCCTCTTAGTCCCTCAGCCATGGCCG ACAATTTGATCTCATTCTGCACTGGAGTCTCCTCTCAGNAGTCTTACACCCTGATTG TACTTGGGGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_006812
Insert Size:	2740 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).
RefSeq:	NM_006812.2 , NP_006803.1
RefSeq Size:	2721 bp
RefSeq ORF:	2004 bp
Locus ID:	10956

UniProt ID: [Q13438](#)

Protein Families: Transmembrane

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also referred to as OS-9-1).