

Product datasheet for **SC302087**

OS9 (NM_001017958) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OS9 (NM_001017958) Human Untagged Clone
Tag:	Tag Free
Symbol:	OS9
Synonyms:	ERLEC2; OS-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

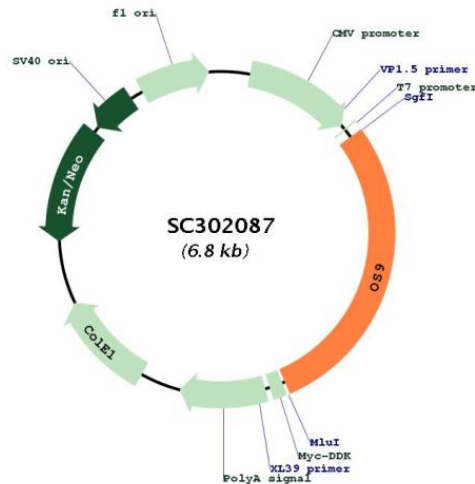


[View online »](#)

Fully Sequenced ORF: >SC302087 representing NM_001017958.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCGGAAACGCTGCTGTCCAGTTTGTAGGACTGCTGCTTCTGGGACTCCTGTTACCCGCAAGT
CTGACCGGCGGTGTCGGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGTTATGGGATCGAGATCCTG
CGTTGCCTGTATGGGAGGCGAGAGCCAATCTCGGACGTGGTATTGTCTCCTCTAAGTACAAACAG
CGCTATGAGTGTGCGCTGCCAGCTGGAGCTATTCACTTCCAGCGTGAAAGGGAGGAGAAACACCTGCT
TACCAAGGGCCTGGGATCCCTGAGTTGTTGAGCCCAATGAGAGATGCTCCCTGCTTGCTGAAGACAAAG
GACTGGTGGACATATGAATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTGAGAGATC
AAAGGTGAAGTCTCTATCTCGGCTACTACCAATCAGCCTTCGACTGGGATGATGAAACAGCCAAGGCC
TCCAAGCAGCATCGTCTAAACGCTACCACAGCCAGACCTATGGCAATGGGTCCAAGTGCACCTTAAT
GGGAGGCCCGGGAGGCCGAGGTTCCGTTCTCTGTGACGAGGGTGCAGGTATCTCTGGGACTACATC
GATCGCGTGGACGAGCCCTTGTCTGCTCTTATGTGCTGACCATTGCACTCCTCGGCTCTGCCCCAC
CCTCTCCTCCGGCCCCACCCAGTGCTGCACCGCAGGCCATCCTCTGTCACCCCTCCCTACAGCCTGAG
GAGTACATGGCCTACGTTGAGAGCAAGCCGACTCAAAGCAGTATGGAGATAAAATCATAGAGGAGCTG
CAAGATCTAGGCCCCAAGTGTGGAGTGAGACCAAGTCTGGGGTGGCACCCCAAAAGATGGCAGGTGCG
AGCCCCACCAAGGATGACAGTAAGGACTCAGATTTCTGGAAGATGCTTAATGAGCCAGAGGACCAGGCC
CCAGGAGGGGAGGAGGTGCCGGCTGAGGAGCAGGACCAAGCCCTGAGGCAGCAGATTGAGTCTGGT
GCTCCCAATGATTTTCAAGAACAGTGCAGGTCAAAGTCAATCGAAGCCCTGCGGATTTGATTCGATTC
ATAGAGGAGCTGAAAGGTGGAACAAAAAGGGGAAGCCAAATATAGGCCAAGAGCAGCCTGTGGATGAT
GCTGCAGAAGTCCCTCAGAGGGAACAGAGAAGGAAAGGGTGATCCAGAACGGCAGAGAGAGATGGAA
GAAGAGGAGGATGAGGATGAGGATGAGGATGAAGATGAGGATGAACGGCAGTTACTGGGAGAATTTGAG
AAGGAACTGGAAGGGATCCTGCTCCGTCAGACCGAGACCGGCTCCGTTCCGAGACAGAGAAGAGCTG
GACCCAGATGGGCTGAAGAAGGAGTCAAGCGGGATCGGGCAATGCTGGCTCTCACATCCACTCTCAAC
AAACTCATCAAAAGACTGGAGGAAAAACAGAGTCCAGAGCTGGTGAAGAAGCACAAGAAAAAGGGT
GTCCCAAAAAGCCTCCCCATACCCCAACCTACAGAGGAGGATCCTGAGCACAGAGTCCGGGTCCGG
GTCACCAAGCTCCGTCTCGGAGGCCCTAATCAGGATCTGACTGCTCCTCGAGATGAAACGGGAAAACCA
CAGCTGAAACAAATCGAGGGCTGGTGAAGGAGCTGCTGGAGAGGGAGGGACTCACAGCTGCAGGGAAA
ATTGAGATCAAAATGTCGCCCATGGGCTGAAGGGACTGAAGAGGGTGCACGTTGGCTGACTGATGAG
GACACGAGAAACCTCAAGGAGATCTTCTCAATATCTTGGTGCCGGGAGCTGAAGAGGCCAGAAGGAA
CGCCAGCGGCAGAAAGAGCTGGAGAGCAATTACCGCCGGGTGTTGGGCTCTCCAGGTGGGAGGGCACA
GGGACCTGGACGAATTTGACTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001017958

Insert Size: 1959 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).

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:

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_001017958.2](#)

RefSeq Size: 2824 bp

RefSeq ORF: 1959 bp

Locus ID: 10956

UniProt ID: [Q13438](#)

Cytogenetics: 12q13.3-q14.1

Protein Families: Transmembrane

MW: 73.8 kDa

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 (4) uses an alternate in-frame splice site in the 3' coding region compared to variant 1, resulting in a shorter isoform (4) compared to isoform 1.