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Product datasheet for SC332772

OS9 (NM_001261423) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: OS9 (NM_001261423) Human Untagged Clone

Tag: Tag Free

Symbol: OS9

Synonyms: ERLEC2; OS-9

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC332772 representing NM_001261423.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGGCGGAAACGCTGCTGTCCAGTTTGTTAGGACTGCTGCTTCTGGGACTCCTGTTACCCGCAAGT
CTGACCGGCGGTGTCGGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGTTATGGGATCGAGATCCTG
CCGTTGCCTGTCATGGGAGGGCAGACAAAGGACTGGTGGACATATGAATTCTGTTATGGACGCCACATC
CAGCAATACCACATGGAAGATTCAGAGATCAAAGGTGAAGTCCTCTATCTCGGCTACTACCAATCAGCC
TTCGACTGGGATGATGAAACAGCCAAGGCCTCCAAGCAGCATCGTCTTAAACGCTACCACAGCCAGACC
TATGGCAATGGGTCCAAGTGCGACCTTAATGGGAGGCCCCGGGAGGCCGAGGTTCGGTTCCTCTGTGAC
GAGGGTGCAGGTATCTCTGGGGACTACATCGATCGCGTGGACGAGCCCTTGTCCTGCTCTTATGTGCTG
ACCATTCGCACTCCTCGGCTCTGCCCCCACCCTCTCCTCCGGCCCCCACCCAGTGCTGCACCGCAGGCC
ATCCTCTGTCACCCTTCCCTACAGCCTGAGGAGTACATGGCCTACGTTCAGAGGCAAGCCGACTCAAAG
CAGTATGGAGATAAAATCATAGAGGAGCTGCAAGATCTAGGCCCCCAAGTGTGGAGTGAGACCAAGTCT
GGGGTGGCACCCCAAAAGATGGCAGGTGCGAGCCCGACCAAGGATGACAGTAAGGACTCAGATTTCTGG
AAGATGCTTAATGAGCCAGAGGACCAGGCCCCAGGAGGGGAGGAGGTGCCGGCTGAGGAGCAGGACCCA
AGCCCTGAGGCAGCAGATTCAGCTTCTGGTGCTCCCAATGATTTTCAGAACAACGTGCAGGTCAAAGTC
ATTCGAAGCCCTGCGGATTTGATTCGATTCATAGAGGAGCTGAAAGGTGGAACAAAAAAGGGGAAGCCA
AATATAGGCCAAGAGCAGCCTGTGGATGATGCTGCAGAAGTCCCTCAGAGGGAACCAGAGAAGGAAAGG
GGTGATCCAGAACGGCAGAGAGAGATGGAAGAAGAGGAGGATGAGGATGAGGATGAGGATGAAGATGAG
GATGAACGGCAGTTACTGGGAGAATTTGAGAAGGAACTGGAAGGGATCCTGCTTCCGTCAGACCGAGAC
CGGCTCCGTTCGGAGACAGAGAAAGAGCTGGACCCAGATGGGCTGAAGAAGGAGTCAGAGCGGGATCGG
GCAATGCTGGCTCTCACATCCACTCTCAACAAACTCATCAAAAGACTGGAGGAAAAACAGAGTCCAGAG
CTGGTGAAGAAGCACAAGAAAAAGAGGGTTGTCCCCAAAAAGCCTCCCCCATCACCCCAACCTACAGGG
AAAATTGAGATCAAAATTGTCCGCCCATGGGCTGAAGGGACTGAAGAGGGTGCACGTTGGCTGACTGAT
GAGGACACGAGAAACCTCAAGGAGATCTTCTTCAATATCTTGGTGCCGGGAGCTGAAGAGGCCCAGAAG
GAACGCCAGCGGCAGAAAGAGCTGGAGAGCAATTACCGCCGGGTGTGGGGCTCTCCAGGTGGGGAGGGC
ACAGGGGACCTGGACGAATTTGACTTCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001261423

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Insert Size:	1617 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_001261423.1
RefSeq Size:	2508 bp
RefSeq ORF:	1617 bp
Locus ID:	10956
UniProt ID:	Q13438
Cytogenetics:	12q13.3-q14.1
Protein Families:	Transmembrane
MW:	60.8 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 (8) lacks an exon in the 5' coding region and an exon in the 3' coding region, compared to variant 1. The resulting isoform (8) lacks two internal segments, compared to isoform 1.