

Product datasheet for **RG201853**

OS9 (NM_001017956) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OS9 (NM_001017956) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OS9
Synonyms:	ERLEC2; OS-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201853 representing NM_001017956
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGGAAACGCTGCTGTCCAGTTTGTAGACTGTGCTTCTGGACTCCTGTTACCCGCAAGTC
 TGACCGCGGTGTCTGGGAGCCTGAACCTGGAGGAGCTGAGTGAGATGCGTTATGGGATCGAGATCCTGCC
 GTTGCCCTGTCATGGGAGGCAGAGCCAATCTTCGGACGTGGTATTGTCTCCTCTAAGTACAAAACAGCGC
 TATGAGTGTGCGCTGCCAGCTGGAGCTATTCACTTCCAGCGTGAAAGGGAGGAGAAACCTGCTTACC
 AAGGGCCTGGGATCCCTGAGTTGTTGAGCCCAATGAGAGATGCTCCCTGCTTGTGAAGACAAAGGACTG
 GTGGACATATGAATTCTGTTATGGACGCCACATCCAGCAATACCACATGGAAGATTAGAGATCAAAGGT
 GAAGTCTCTATCTCGGCTACTACCAATCAGCCTTCGACTGGGATGATGAAACAGCCAAGGCTCCAAGC
 AGCATCGTCTTAAACGCTACCACAGCCAGACCTATGGCAATGGTCCAAGTGCACCTTAATGGGAGGCC
 CCGGGAGGCCGAGGTTCCGTTCTCTGTGACGAGGGTGCAGGTATCTCTGGGACTACATCGATCGCGTG
 GACGAGCCCTTGTCTGCTTATGTGCTGACCATTTCGACTCCTCGGCTCTGCCCCACCTCTCCTCC
 GGCCCCACCCAGTGCTGCACCGCAGGCCATCCTCTGTCACCCCTCCCTACAGCCTGAGGAGTACATGGC
 CTACGTTTACAGAGCAAGCCGACTCAAAGCAGTATGGAGATAAAATCATAGAGGAGCTGCAAGATCTAGGC
 CCCCAAGTGTGGAGTGAGACCAAGTCTGGGGTGGCACCCAAAAGATGGCAGGTGCGAGCCCGACCAAGG
 ATGACAGTAAGGACTCAGATTTCTGGAAGATGCTTAATGAGCCAGAGGACCAGGCCCCAGGAGGGGAGGA
 GGTGCCGCTGAGGAGCAGGACCAAGCCCTGAGGCAGCAGATTCAGCTTCTGGTCTCCAATGATTTT
 CAGAACAACGTGCAGGTCAAAGTCATTCGAAGCCCTGCGGATTTGATTGATTATAGAGGAGCTGAAAG
 GTGGAACAAAAAGGGGAAGCCAATATAGGCCAAGAGCAGCCTGTGGATGATGCTGCAGAAGTCCCTCA
 GAGGGAACAGAGAAAGGAAGGGGTGATCCAGAACGGCAGAGAGAGATGGAAGAAGAGGAGGATGAGGAT
 GAGGATGAGGATGAAGATGAGGATGAACGGCAGTTACTGGGAGAATTTGGAAGGAACTGGAAGGGATCC
 TGCTTCCGTGAGCCGAGACCGGCTCCGTTTCGGAGGTGAAGGCTGGCATGGAGCGGGAAGTGAAGAAAT
 CATCCAGGAGACAGAGAAAGAGCTGGACCCAGATGGGCTGAAGAAGGAGTACAGAGCGGGATCGGGCAATG
 CTGGCTCTCACATCCACTCTCAACAACTCATCAAAGACTGGAGGAAAAACAGAGTCCAGAGCTGGTGA
 AGAAGCACAAGAAAAAGAGGGTTGTCCCAAAAAGCCTCCCCATCACCCCAACCTACAGGGAAAAATTGA
 GATCAAATTTGTCGCCCCATGGGCTGAAGGACTGAAGAGGGTGCACGTTGGCTGACTGATGAGGACACG
 AGAAACCTCAAGGAGATCTTCTCAATATCTTGGTGCCGGGAGCTGAAGAGGCCAGAAGGAACGCCAGC
 GGCAGAAAGAGCTGGAGAGCAATTACCGCCGGGTGTGGGCTCTCCAGGTGGGGAGGGCACAGGGGACCT
 GGACGAATTTGACTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201853 representing NM_001017956
 Red=Cloning site Green=Tags(s)

MAAETLLSLLGLLLLGLLLPAASLTGGVGLNLEELSEMYGIEILPLPVMGGQSQSSDVVIVSSKYKQR
 YECRLPAGAIHFQREEREETPAYQGPIPELLSPMRDAPCLLKTCDWWTYEFQYGRHIQQYHMESEIKG
 EVLYLGYYSQAFDWDDETAKASKQHRLKRYHSQTYNGSKCDLNGRPREAEVRFLEDEGAGISGDYIDRV
 DEPLSCSYVLTIRTPRLCPHLLRPPPSAAPQAILCHPSLQPEEYMAVYVQRQADSKQYGDKIEELQDLG
 PQVWSETKSGVAPQKMAGASPTKDDSKDSDFWKMLNEPEDQAPGGEEVPAEEQDPSPEAADSASGAPNDF
 QNNVQVKVIRSPADLIRFIEELKGGTKKGNIGQEQPVDAAEVPQREPEKERGDPERQREMEEEDEDE
 EDEDEDEDERQLLGEFEKELEGILLPSDRDLRSEVKAGMERLENI IQTEKELDPDGLKKESEDRDRAM
 LALTSTLNKL IKRLEEKQSPELVKKHKKRVVPKPPSPQPTGKIEIKIVRPWAEGETEGARWLTDEDT
 RNLKEIFFNILVPGAEAAQKERQRQKELESNYRRVWGSPGGEGTGDLDEFDF

TRTRPLE – GFP Tag – V

Chromatograms:

https://cdn.origene.com/chromatograms/ja2032_a09.zip

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_001017956.2](#), [NP_001017956.1](#)

RefSeq Size: 2730 bp

RefSeq ORF: 1839 bp

Locus ID: 10956

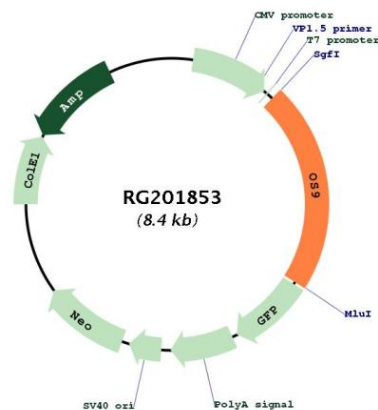
UniProt ID: [Q13438](#)

Cytogenetics: 12q13.3-q14.1

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]

Product images:



Circular map for RG201853