

Product datasheet for **RR205752**

Osm (NM_001006961) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Osm (NM_001006961) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Osm
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205752 representing NM_001006961
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGGGCTCAGCCTCCACCGAGAACACTGCTTAGTTGGCCCTTGCCTCCTGTTCTGAGCATGTCAT
 GGGCCAAGCGTGGCTGCTCCAGCTTCCCGAAGCTCCTCAGCCAGTTGAAGAGTCAGGCGAACATCAC
 GGGGAACACGGCATCGCTCTGGAGCCCTATATCCTCCACAAAACCTGAACACGCTCACCTGAGAGCT
 GCCTGCACAGAGCACCTGTGGCCTTCCCGAGTGAGGACATGCTCCGGCAGCTGAGTAAGCCTGACTTCC
 TGAGCACTGTGCACGCCACGCTGGGCAGAGTCTGGCACCAACTGGGTGCTTTCAGACAGCAATTTCCCAA
 GATTTCAGGATTTCCAGAGCTGGAGAGGGCCAGGCAGAACATCCAAGGGATCAGGAACAATGTTTACTGC
 ATGGCTCGGCTGCTCCACCCACCCTGGAGATCCCTGAGCCACACAGGCAGACTCTGGGACCTCACGAC
 CCACTACCACAGCACCAGGCATCTTTCAGATCAAGATAGACAGCTGCCGTTCTCTGGGCTACCATCG
 CTTTCATGGGTTTCAGTGGGAGAGTCTTCGAGGAGTGGGGGATGGCTCCAGGCGCAGCCGGAGACACAGC
 CCACTCTGGGCTGGCTCAAGGGAGACCACAGAATCAGACCCTCCCGGAGCAGCCAGAGCGCCATGCTCA
 GGTCCTGGTGCCCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205752 representing NM_001006961
 Red=Cloning site Green=Tags(s)

MRAQPPRRLTLLSLALALLFLSMSWAKRGCSSSSPKLLSQLKSQANITGNTASLLEPYILHQLNLTLLRA
 ACTEHPVAFPSDMLRQLSKPDFLSTVHATLGRVWHLGAFRQQFQPKIQDFPELERARQNIQGIQIRNNVYC
 MARLLHPPLEIPEPTQADSGTSRPTTAPGIFQIKIDSCRFLWGYHRFMGVSQVGRVFEWGDGSRSSRRHS
 PLWAWLKGDRIRPSRSSQSAMLRSLVPR

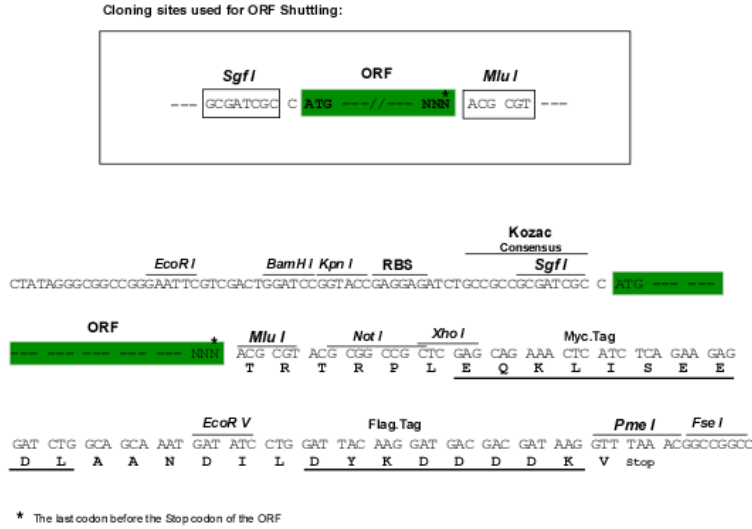
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



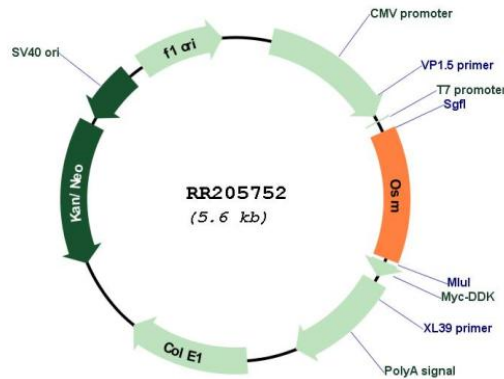
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001006961

ORF Size: 717 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001006961.1</u> , <u>NP_001006962.1</u>
RefSeq Size:	720 bp
RefSeq ORF:	720 bp
Locus ID:	289747
UniProt ID:	<u>Q65Z15</u>
Cytogenetics:	14q21
MW:	27.1 kDa
Gene Summary:	mouse homolog is a cytokine and an immediate early gene [RGD, Feb 2006]