

Product datasheet for **RR210117**

Ostm1 (NM_001029925) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ostm1
Synonyms:	Gipn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RR210117 representing NM_001029925
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGGGGACGCGGAGCTGGCGCGCGCGGTGGGTGGCCGTGGCGGTGGCTGCCGGCGTTGCTGCTGC
TGCAACTGCTGCGGTGGAGGTGCGCCCTGGGCGCGCTCCCCTTCACCAGCAGTCGGCACCCAGGCTTTGC
GGACCTGTGTGCGAGCAGCAGCTGCTGGAGGTGCAGGACTTGACCCTGTCTCTGCTGCAGGGCGGAGGT
CTGGGGCCGCTGTCACTGCTACCTCCCGACCTGCCGGATCTGGAGCCTGAATGCCGGGAGCTGCTGATGG
ACTTCGCCAATAGCAGCGCCGAGCTGACCGCCTGTATGGTGCGCAGCGCTCGGCCCGTGCGCCTCTGCCA
GACCTGCTACCCGCTCTTCCAACAGGTGCAATCAAGATGGACAACATCAGCCGAAACGTCGGGAACGCC
TCCGAGAGCCAGCGCTGTGCAGGAAGTCTCCTGATGGCGGACAGAATGCAGATAGTTGTGATGGTCTCTG
AGTTCTTCAACAGCACGTGGAAGGAGGCGAACTGTGCAAAATGCTTAACAAAAACAGTGAGGATCTGTC
AAATAACACCCAGGACTTCCTCAGTCTGTTTAACAAGACTTTGGCCTGCTTTGAGCATAACCTGCAGGGG
CGCACGTACAGCCTCCCCCACCAAGAATTACTCAGAAGTGTGCAAGAACTGTAAGAGGCGGTACAGAA
CTCTGAGCCTCCTGTACAGCGAAATGCAGAAAAATGAACGGGCTGGAGAGCAAGGCGGAGCCGGAACGCA
CTTGTGCATCGAGTGGAGGATGCAATGAACATTACCCGGAAGCTATGGAGCCGAACCTTCAACTGTTCC
GTCACCTGCAGCGACACAGTGTCTGTGGTTGCCGTTTCCGTGTTCACTTCTTTCTGCCTGTCTGCTTCT
ACCTGAGTAGCTTCTCACTCCGAGCAAAAGAAGCGCAAGCTCATTCTACCCAAACGTCTCAAGTCGAG
CACCAGTTTGCCAACATTCAAGAAAATTCACCCACCAAGTTTGCCAACATTCAAGAAAATTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence:

>RR210117 representing NM_001029925

Red=Cloning site Green=Tags(s)

MAGDAELARRGGWPWRWLPALLLLQLLRWRCALGALPFTSSRHPGFADLLSEQQLLEVQDLTLSSLQGGG
LGPLSLLPPDLPDLEPECRELLMDFANSSAELTACMVRSARPVRLCQTCYPLFQQVAIKMDNISRVGNA
SESQRCAGSLLMADRMQIVVMVSEFFNSTWKEANCANCLTKNSEDLSNNTQDFLSLFNKTLACFEHNLQG
RTYSLPPPKNYSEVCKNCKEAYRTL SLLYSEMQMNGLESKAEPGTHLCIDVEDAMNITRKLWSRTFNCS
VTCSDTVSVVAVSVFIFLFPVVFYLSFLHSEQKKRKLILPKRLKSSTSFANIQENSTHQFCQHSRKFH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

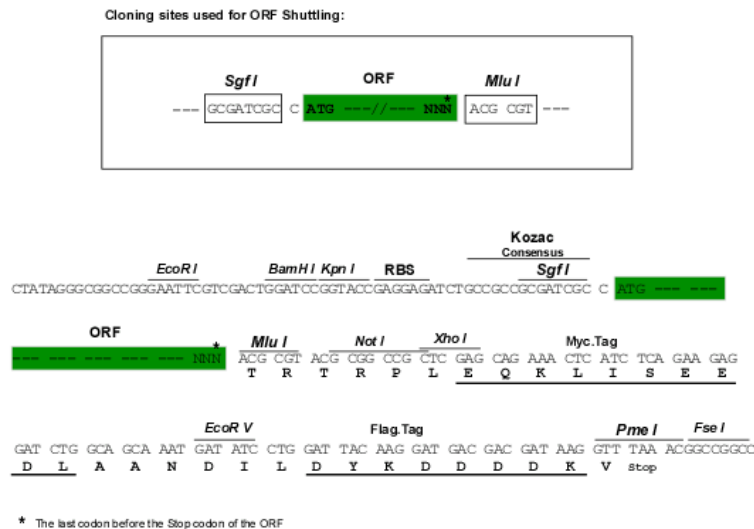
Chromatograms:

https://cdn.origene.com/chromatograms/ja1571_g08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001029925

ORF Size:

1048 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq Size: 1484 bp

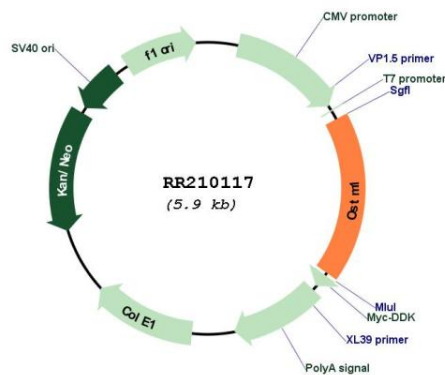
RefSeq ORF: 1017 bp

Locus ID: 499474

Cytogenetics: 20q13

MW: 37.9 kDa

Product images:



Circular map for RR210117