

Product datasheet for **RR206550**

Otop3 (NM_001105852) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Otop3 (NM_001105852) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Otop3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR206550 representing NM_001105852
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTTCGACACTTCAGAAGCAGAGACCACTGAGGCAGCATCTACCTATGACCAAGCAAACATGGACG
 TGGAGACCAAGCACACAGGGCCCCAGGCGCCCCAAAGCAGAAGTCTGGCTGGCTCTGCATTTCTCCCT
 GCTGCTGCGGAGAGACCGCAAGCCAGAGCGGGGAGCTCTTCTCGGGGCTCTGGCTCTCAATGTG
 GTATTCCTGGGCGGGCTTTTATCTGCAGCATGATCTTCAACAAGGTGGCTGTCACTCTGGGGGACGTGT
 GGATCCTGCTGGCCGCACTGAAGGTCTCTCTCTGTTGTGGCTCTCTACTACACCGTGGGTACACACG
 GAAGCCCCACGCAGTGTGTACCGCATCTCACGCGGACCGGTTGGGTGAGGGGCTCCCTGGTGCTC
 TTCGGCAGCTGTACCGTCTGCCTGAATGTATTTTCGGATGGGTACGACGTGAGCCACATTCACTGCAAGT
 CAGAAGTGGAGCTTATCTTTCCAGCCATTGAGATCGTCTTATGATCATCCAGACCTGGGTGCTCTGGAA
 AACTGTAAGGACTGTGTTCAAGTGCAGACCAACTTACCAGGTGTGGGCTCATGCTGACGCTGGCCACA
 AACCTGCTGATGTGGGTTTTGGCTGTGACCAATGACTCCATGCATCGTGAGATTGAGGCTGAGCTCGATG
 CCCTCATGGAAAAGTTCTCAGGTAAACGGGACCAACACTTGCATGTGCCTCAACGCCACCGGTGTGCGAGGT
 CTTCCGGAAGGGCTTCTGATGCTCTACCTTTTCAAGCACTGAGTACTGCCTCATCTGCTGTGCTGTGCTC
 TTCGTCATGTGGAAGAAGCTGGGCCGAGCCTGGCAGCCCACTCAGGTGCCCATCCCAACAGACCACCT
 TCCGCCTGCACGGGGCCATCTTTGGGCCACTGCTGGGCCCTTTGGCACTGGTGGCTGGGGTATGCGTCTT
 TGTGCTCTTCCAGATCGAAGCGAGTGGCCCTGACATAGCCCGCCAGTACTTACCCTGTACTATGCATTC
 TATGTGGCTGTGCTGCCACCATGAGCCTGGCGTGCCTGGCGGGCACAGCCATCCATGGACTGGAGGAGC
 GTGAATGGACACGCTCAAAAACCCACACGCGAGCCTGGATGTGGTGTGCTGATGGGCGCTGACTGGG
 CCAGATGGGCATTGCCTACTTCTCCATCGTGGCTATCGTGGCCACCCAGCCACATCAGTACTCAACCAG
 CTCATCTGGCCTACTACTGCTGCTTATCCTGCAGCACATCACTCAGAATCTTTCATCATCGAGGGCC
 TGCACCGCGCTCTCTCTGGGAGCTGTGATCTCTGGTGTGCCGAGAAGCAGGATATTGAGCTACCCCG
 CAGAGGCTCCCTGCGGGAGCTGGGTGAGGACCTACGGAGAGCCTCAAGGGCCTACATCCACTCCTTCAGC
 CACCTCAACTGGAACGAGGATGCTCAAGGAGATCTCTCTTCTCTCATCCTCTGCAATATCACACTGT
 GGATGATGCCTGCCTTTGGCATAACCCAGAGTTTGAATGGACTGGAAAAGGATTTTTATGGCTACAG
 GACCTGGTTACCATTGTAACTTCGGCCTGCCTCTGGGGGTCTTCTACCGCATGCACTCTGTTGGGGGA
 CTCGTGGAGGTCTACCTGGGGCC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206550 representing NM_001105852
 Red=Cloning site Green=Tags(s)

MASQTSEAETTEASTYDQANMDVETKHTGPPGAPKQKSWLALHFSLLLRRDRQAQKAGQLFSGLLALNV
 VFLGGAFICSMIFNKVAVTLGDVWILLAAKVLSELLWLLYYTVGTRKPHAVLYRDPHAGPVWVRGSLVL
 FGSCVTCLNVFRMGYDVSHIHCKSEVELIFPAIEIVFMIIQTWVLWKHCKDCVQVQTNFTRCGLMLTLAT
 NLLMWVLAVTNDMSHREIEAELDAMEKFSNGTNTCMCLNATVCEVFRKGFLMLYPFSTEYCLICCAVL
 FVMWKNVGRSLAAHSGAHPNRPFRFHGAIFGPLLGLLALVAGVCVFLFQIEASGPDIAHQYFTLYYAF
 YVAVLPTMSLACLAGTAIHGLEERELDTLKNPTRSLDVLLMGAALGQMGIAYFSIVAIVATQPHQLLNQ
 LILAYSLILLQHITQNLFIIEGLHRRPLWEPVISGVPEKQDIELPRRGSRELQDLRRASRAYIHSFS
 HLNWKRMLKEISLFLILCNITLWMPAFGIHPEFENGLEKDFYGYRTWFTIVNFGPLPLGVFYMHSVGG
 LVEVYLGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001105852

ORF Size: 1704 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.

RefSeq: [NM_001105852.1](#), [NP_001099322.1](#)

RefSeq Size: 2301 bp

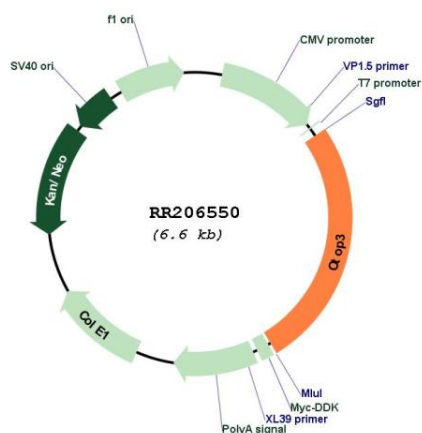
RefSeq ORF: 1707 bp

Locus ID: 287821

Cytogenetics: 10q32.1

MW: 63.7 kDa

Product images:



Circular map for RR206550