

## Product datasheet for **RR211950**

### Olah (NM\_022705) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olah (NM_022705) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olah
Synonyms:	Mch; Thedc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211950 representing NM_022705 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGACAGCAGTCAATGCTAAGAGTCCCAGGAATGAAAAGGTTTTGAACTGTTTGTATCAAAATCCTG  
ATGCAGTTTTCAAGCTGATCTGCTTCCCTTGGCAGGAGGCGGCTCCATCCATTTTGCCAAAGTGGGGCCA  
AAAGATTAACGACTCTCTGGAAGTGCATGCTGTAAGACTGGCTGGAAGAGAAACCCGACTTGGAGAACCT  
TTCGCAAATGACATCTACCAGATAGCTGATGAAATCGTGACCGCCTGTTGCCATCATTAGGATAAAG  
CTTTTGCCTTTTTGGCCACAGTTTTGGATCCTACATTGCTCTTATTACTGCTCTGCTCCTAAAGGAGAA  
ATACAAAATGGAGCCGCTGCATATTTTTGTATCCGGTGCATCCGCCCTCACTCAACATCCCGCCCTCAA  
GTTCTGATCTTAACGAATTGACAGAAGAACAAGTCAGACATCACCTTCTGGATTTCCGGAGGCACGCCCA  
AGCATCTCATAGAAGACCAGGATGTTCTGAGGATGTTTCATTCTTTGCTGAAGGCAGATGCTGGCCTTGT  
GAAAAAATTCATCTTTGACAAGCCCTCAAAGCTCTTCTCTCTGGACATAACGGGCTTCTTGGATCT  
GAAGATAACAATAAAGGACATAGAAGGCTGGCAAGACCTAACAGTGGGAAGTTTGATGTCCACATGCTGC  
CAGGCGACCACCTTTATCTGATGAAGCCGACAACGAGAACTTTATCAAGAACTACATAGCCAAGTGCTT  
GGAACTCTGCTCACTCACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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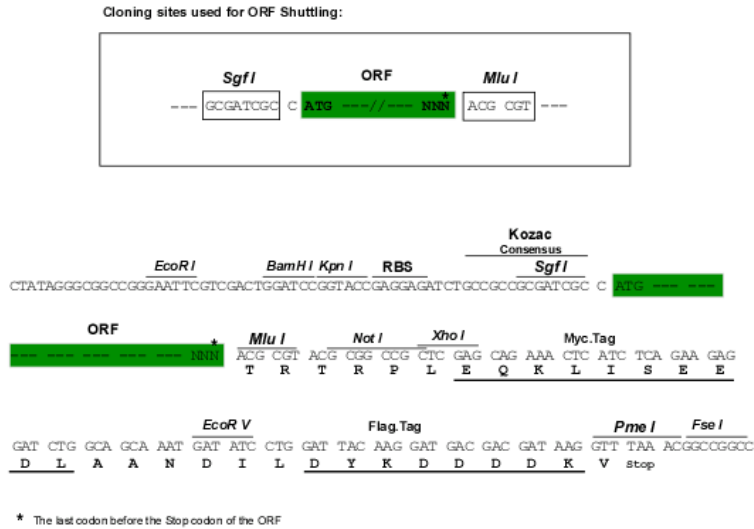
**Protein Sequence:** >RR211950 representing NM\_022705  
 Red=Cloning site Green=Tags(s)

METAVNAKSPRNEKVLNCLYQNPDAVFKLICFPWAGGGSIHFAKWGQKINDSLEVHAVRLAGRETRLGEP  
 FANDIYQIADEIVTALLPIIQDKAFAFFGHSGFSYIALITALLLKEKYKMEPLHIFVSGASAPHSTSRPQ  
 VPDNLNELTEEQVRHLLDFGGTPKHLIEDQDLRMFIPLLKADAGVVKKFIIDKPSKALLSLDITGFLGS  
 EDTIKDIEGWQDLTSGKFDVHMLPGDHFYLMKPDNENFIKNYIAKCLELSSLT

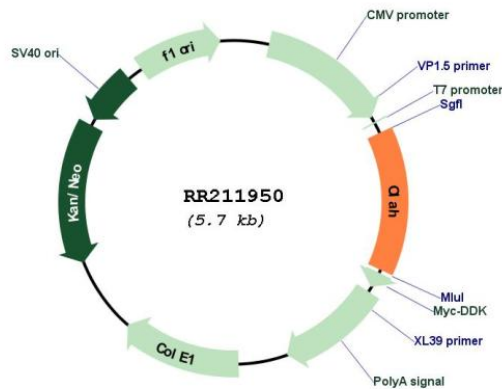
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022705  
**ORF Size:** 789 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_022705.1</a> , <a href="#">NP_073196.1</a>
<b>RefSeq Size:</b>	1528 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	64669
<b>UniProt ID:</b>	<a href="#">P08635</a>
<b>Cytogenetics:</b>	17q12.3
<b>MW:</b>	29.5 kDa
<b>Gene Summary:</b>	expressed in mammary gland [RGD, Feb 2006]