

## Product datasheet for **RR213579**

### Olig3 (NM\_001106269) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olig3 (NM_001106269) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olig3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213579 representing NM_001106269 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATTCTGATTGAGCTCTGTCTCCAGCAGAGCGTCATCTCCGGACATGGATGAGATGTACCTAAGAG  
ACCACCACCACCACCACCACCACCACCATCAGGAGAGCCGCTTAACTCGGTCTCATCCACACAGGGCGA  
CATGGTGCAAAAGATGCCCGGGGAGAGCCTCTCACGGGCAGGCCAAAGCTGCAGGAGAAAGCAGCAAG  
TACAAAATCAAGAAGCAGCTGTCGGAGCAGGATCTTACGAGTTGCGGCTGAAGATCAACGGACGCGAAC  
GCAAGAGGATGCACGACCTGAACCTCGCCATGGATGGTCTGCGCGAGGTATGCCCTATGCGCACGGGCC  
CTCGGTGCGCAAGCTCTCCAAGATCGCCACTCTGCTTCTAGCCAGAACTACATCCTCATGCTCACCAGC  
TCCCTGGAGGAGATGAAGAGTTGGTTGGCGAGATCTACGGTGGACACCACTCGGCCTTCCACTGTGGGA  
CTGTGGGGCATTGCGCTGGCCACCCGGCACACGCGCCAACGCGTGCACCCGGTGCACCCTATCTGGG  
CGGCGCGCTCTCCTTGGAATGCCTCGTCCCCGCTGTCTGCCGCTCCCTGCCGACCATAGGCACCATC  
CGACCTCCCCTCACTGCTCAAGGCGCCCTCCACGCGCCCGCACTACAGCTGGGCAGCGGCTTCCAGC  
ACTGGGCGGGGCTGCCCTGTCCCTGCACCATCTGCCAGATGCCACCGCCCGCACCTGTCCGCTCTCTC  
CACCGCAACATGGCCCGCTTTCGGCCGATCCAAGGACTTGCTCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213579 representing NM\_001106269  
 Red=Cloning site Green=Tags(s)

MNSDSSSVSSRASSPDMDEMYLRDHHRRHHHHHHQESRLNSVSSTQGDMVQKMPGESLSRAGAKAAGESSK  
 YKIKKQLSEQLLQLRLKINGRERKRMHDLNLAMDGLREVMPYAHGPSVRKLSKIATLLLLARNYILMLTS  
 SLEEMKRLVGEIYGGHSAFHCGTVGHSAGHPAHAANAVHPVHPILGGALSSGNASSPLSAASLPTIGTI  
 RPPHSLKAPSTPPALQLGSGFQHWAGLPCPCTICQMPPPHLSALSTANMARLSAESKDLLK

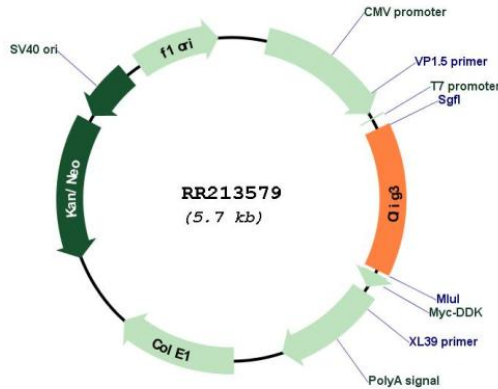
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001106269

ORF Size: 819 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_001106269.1</a> , <a href="#">NP_001099739.1</a>
<b>RefSeq Size:</b>	2061 bp
<b>RefSeq ORF:</b>	822 bp
<b>Locus ID:</b>	293012
<b>Cytogenetics:</b>	1p12
<b>MW:</b>	29.5 kDa