

## Product datasheet for RC216539

### OCIAD1 (NM\_001079840) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OCIAD1 (NM\_001079840) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** OCIAD1  
**Synonyms:** ASRIJ; OCIA; TPA018  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC216539 representing NM\_001079840  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAATGGGAGGGCTGATTTTCGAGAGCCGAATGCAGAGGTTCCAAGACCAATCCCCACATAGGGCCTG  
ATTACATTTCCAACAGAGGAAGAAAGGAGAGTCTTCGCAGAATGCAATGATGAAAGCTTCTGGTTCAGATC  
TGTGCCTTTGGCTGCAACAAGTATGTTGATTACTCAAGGATTAATTAGTAAAGGAATACTTTCAAGTCAT  
CCCAAATATGGTTCCATCCCTAACTTATACTTGCTTGTATCATGGGATACTTTGCTGGAAAACCTTCTT  
ATGTGAAAACCTGCCAAGAGAAATTCAAGAACTTGAAAATTCCTCCCTGGAGAAGCTTTACGATCAGG  
ACAAGCACGACGATCTTCACCACCTGGGCACTATTATCAAAAGTCAAATATGACTCAAGTGTGAGTGGT  
CAATCATCTTTTGTGACATCCCCAGCAGCAGACAACATAGAAATGCTTCTCATTATGAGCCAATCCAT  
TCAGTTCTTCTATGAATGAATCTGCTCCCCTGGTATTACTGATCATATTGTCCAAGTCAAAGTAAACAA  
GTATGGAGATACTTGGGATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC216539 representing NM\_001079840  
Red=Cloning site Green=Tags(s)

MNGRADFREPNAEVRPPIPHIGPDYIPTEEERRVFAECNDESFWFRSVPLAATSMLITQGLISKILSSH  
PKYGSIPKLILACIMGYFAGKLSYVKTCQEKFKLENSPLGEALRSGQARRSSPPGHYYQKSKYDSSVSG  
QSSFVTS PAADNIEMLPHYEIPFSSSMNESAPTGITDHIVQVKVKNKYGDTWDE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

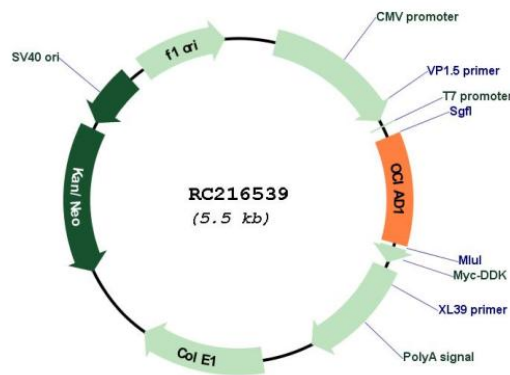


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001079840

ORF Size: 582 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\\_001079840.2](#), [NP\\_001073309.1](#)

**RefSeq Size:** 1852 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 54940

**UniProt ID:** [Q9NX40](#)

**Cytogenetics:** 4p11

**MW:** 21.6 kDa

**Gene Summary:** Maintains stem cell potency (By similarity). Increases STAT3 phosphorylation and controls ERK phosphorylation (By similarity). May act as a scaffold, increasing STAT3 recruitment onto endosomes (By similarity). Involved in integrin-mediated cancer cell adhesion and colony formation in ovarian cancer (PubMed:20515946).[UniProtKB/Swiss-Prot Function]