

Product datasheet for **RG216539**

OCIAD1 (NM_001079840) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OCIAD1 (NM_001079840) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: OCIAD1
Synonyms: ASRIJ; OCIA; TPA018
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG216539 representing NM_001079840
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGGAGGGCTGATTTTCGAGAGCCGAATGCAGAGGTTCCAAGACCAATCCCCACATAGGGCCTG
ATTACATTCACAGAGGAAGAAAGGAGAGTCTTCGCAGAATGCAATGATGAAAGCTTCTGGTTCAGATC
TGTGCCTTTGGCTGCAACAAGTATGTTGATTACTCAAGGATTAATTAGTAAAGGAATACTTTCAAGTCAT
CCCAAATATGGTCCATCCCTAACTTACTTGTGTTGATCATGGGATACTTTGCTGGAAAACCTTCTT
ATGTGAAAACCTGCCAAGAGAAATCAAGAAACTTGAAAATCCCCCTTGAGAAGCTTACGATCAGG
ACAAGCAGCAGATCTTACCACCTGGGCACTATTATCAAAAGTCAAAATATGACTCAAGTGTGAGTGGT
CAATCATCTTTGTGACATCCCCAGCAGACACATAGAAATGCTTCCTCATTATGAGCCAATCCAT
TCAGTTCTTCTATGAATGAATCTGCTCCCACTGGTATTACTGATCATATTGTCCAAGTCAAAGTAAACAA
GTATGGAGATACTTGGGATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216539 representing NM_001079840
Red=Cloning site Green=Tags(s)

MNGRADFREPNAEVPRP~~IPHIGPDYIPTEEERRVFAECNDESFWRFSVPLAATSMLITQGLISKGILSSH~~
PKYGSIPKLILACIMGYFAGKLSYVKTCQEKFKKLENSPLGEALRSGQARRSSPPGHYYQKSKYDSSVSG
QSSFVTS~~PAADNIEMLPHYEPIPFSSSMNESAPTGITDHIVQVKVNYGDTWDE~~

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

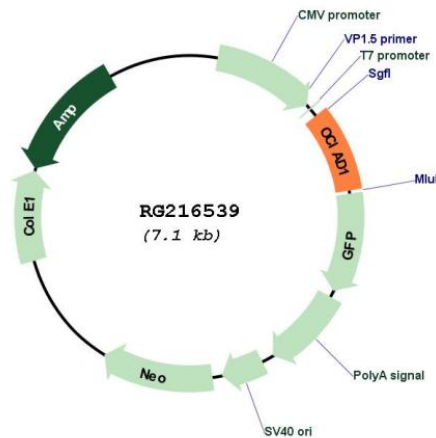


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Cloning Scheme:



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

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]