

## Product datasheet for **RG220792**

### OCIAD1 (NM\_001079842) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OCIAD1 (NM\_001079842) 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:** >RG220792 representing NM\_001079842  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGGAGGCTGATTTTCGAGAGCCGAATGCAGAGGTTCCAAGACCAATCCCCACATAGGGCCTG  
ATTACATTCACAGAGGAAGAAAGGAGAGTCTTCGCAGAATGCAATGATGAAAGCTTCTGGTTCAGATC  
TGTGCCTTTGGCTGCAACAAGTATGTTGATTACTCAAGGATTAATTAGTAAAGGAATACTTTCAAGTCAT  
CCCAAATATGGTCCATCCCTAACTTACTTGTGTTGATCATGGGATACTTTGCTGGAAAACCTTCTT  
ATGTGAAAACCTGCCAAGAGAAATCAAGAAACTGAAAATCCCCCTTGAGAGAAGCTTACGATCAGG  
ACAAGCAGCAGATCTTACCACCTGGGCACTATTATCAAAAGTCAAAATATGACTCAAGTGTGAGTGGT  
CAATCATCTTTTGTGACATCCCCAGCAGACACATAGAAATGCTTCCTCATTATGAGCCAATCCAT  
TCAGTTCTTCTATGAATGAATCTGCTCCCACTGGTATTACTGATCATATTGTCCAAGGTAGAAAACCTCTC  
T

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG220792 representing NM\_001079842  
Red=Cloning site Green=Tags(s)

MNGRADFREPNAEVRPPIPHIGPDYIPTEEERRVFAECNDESFWRFSVPLAATSMITQGLISKILSSH  
PKYGSIPKLILACIMGYFAGKLSYVKTCQEKFKKLENSPLGEALRSGQARRSSPPGHYYQKSKYDSSVSG  
QSSFVTS PAADNIEMLPHYEPIPFSSSMNESAPTGITDHIVQGRNFS

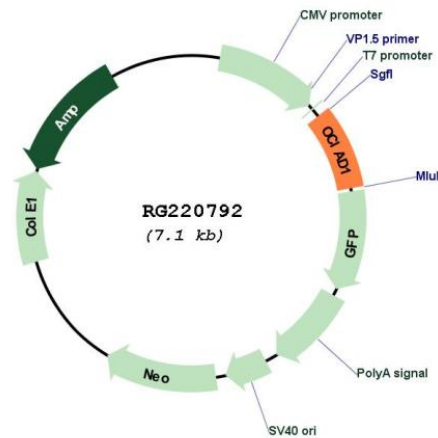
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001079842

**ORF Size:** 561 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\\_001079842.1](#), [NP\\_001073311.1](#)

**RefSeq Size:** 1754 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]