

Product datasheet for **SC315701**

OCIAD1 (NM_001079839) Human Untagged Clone

Product data:

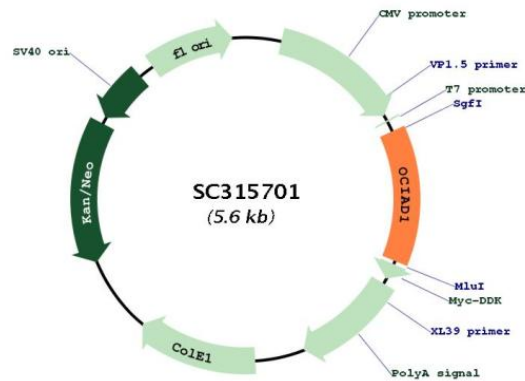
Product Type:	Expression Plasmids
Product Name:	OCIAD1 (NM_001079839) Human Untagged Clone
Tag:	Tag Free
Symbol:	OCIAD1
Synonyms:	ASRIJ; OCIA; TPA018
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315701 representing NM_001079839. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATGGGAGGGCTGATTTTCGAGAGCCGAATGCAGAGGTTCCAAGACCAATCCCCACATAGGGCCT
GATTACATTCCAACAGAGGAAGAAAGGAGAGTCTTCGAGAATGCAATGATGAAAGCTTCTGGTTCAGA
TCTGTGCCTTTGGCTGCAACAAGTATGTTGATTACTCAAGGATTAATTAGTAAAGGAATACTTTCAAGT
CATCCCAATATGGTCCATCCCTAACTTATACTTGCTGTATCATGGGATACTTTGCTGGAAAACCT
TCTTATGTGAAAACCTGCCAAGAGAAAATCAAGAAAACCTGAAAATCCCCCTTGGAGAAGCTTTACGA
TCAGGACAAGCAGCAGATCTTACCACCTGGGCACTATTATCAAAGTCAAATATGACTCAAGTGTG
AGTGGTCAATCATCTTTGTGACATCCCCAGCAGCAGACAACATAGAAATGCTTCCTCATTATGAGCCA
ATTCCATTGAGTCTTCTATGAATGAATCTGCTCCCACTGGTATTACTGATCATATTGTCCAAGGACCT
GATCCCAACCTTGAAGAAAGTCCATAAAAGAAAAATATTACATATGAGGAATTAAGGAATAAGAACAGA
GAGTCATATGAAGTATCTTTAACACAAAAGACTGACCCCTCAGTCAGGCCTATGCATGAAAGAGTGCCA
AAAAAGAAGTCAAAGTAAACAAGTATGGAGATACTTGGGATGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001079839

Insert Size: 738 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001079839.2](#)

RefSeq Size: 2068 bp

RefSeq ORF: 738 bp

Locus ID: 54940

UniProt ID: [Q9NX40](#)

Cytogenetics: 4p11

MW: 27.6 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]
Transcript Variant: This variant (2) uses a different splice site in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (1).