

## Product datasheet for **SC113917**

### OCIAD1 (NM\_017830) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OCIAD1 (NM_017830) Human Untagged Clone
Tag:	Tag Free
Symbol:	OCIAD1
Synonyms:	ASRIJ; OCIA; TPA018
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113917 sequence for NM_017830 edited (data generated by NextGen Sequencing)

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ATGAATGGGAGGGCTGATTTTCGAGAGCCGAATGCAGAGTTCCAAGACCAATCCCCAC
ATAGGGCCTGATTACATTCCAACAGAGGAAGAAAGGAGAGTCTTCGCAGAATGCAATGAT
GAAAGCTTCTGGTTCAGATCTGTGCCTTTGGCTGCAACAAGTATGTTGATTACTCAAGGA
TTAATTAGTAAAGGAATACTTTCAAGTCATCCCAAATATGGTTCCATCCCTAAACTTATA
CTTGCTTGATCATGGGATACTTTGCTGGAAAACCTTCTTATGTGAAAACCTTGCCAAGAG
AAATTC AAGAACTTGAAAATCCCCCTTGGAGAAGCTTTACGATCAGGACAAGCACGA
CGATCTTCACCACCTGGGCACTATTATCAAAAGTCAAAATATGACTCAAGTGTGAGTGGT
CAATCATCTTTTGTGACATCCCCAGCAGCAGACAACATAGAAATGCTTCCTCATTATGAG
CCAATTCATTGAGTTCTTCTATGAATGAATCTGCTCCCACTGGTATTACTGATCATATT
GTCCAAGGACCTGATCCCAACCTTGAAGAAAGTCTAAAAGAAAAATATTACATATGAG
GAATTAAGGAATAAGAACAGAGAGTCATATGAAGTATCTTTAACACAAAAGACTGACCCC
TCAGTCAGGCCTATGCATGAAAGAGTGCCAAAAAAGAAGTCAAAGTAAACAAGTATGGA
GATACTTGGGATGAGTGA
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Clone variation with respect to NM\_017830.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_017830 unedited            GTGTAGATTTTNGTATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGTGCACT            TTTCTCCCTCCCTGCCCCCTCTCGAGTCCACCCTCCGGGCCTTCTGCCCTGATCGCTTG            GTTTTCCTTGCAGTCGCCTGCTGCTGTCGTGCGGAGGAAAGATGAATGGGAGGGCTGATT            TTCGAGAGCCGAATGCAGAGGTTCCAAGACCAATCCCCACATAGGGCCTGATTACATTC            CAACAGAGGAAGAAAGGAGAGTCTTCGCAGAATGCAATGATGAAAGCTTCTGGTTCAGAT            CTGTGCCCTTGGCTGCAACAAGTATGTTGATTACTCAAGGATTAATTAGTAAAGGAATAC            TTTCAAGTCATCCCAAATATGGTTCATCCCTAACTTATACTTGCTTGTATCATGGGAT            ACTTTGCTGGAAGAACTTTCTTATGTGAAAACCTGCCAAGAGAAATTCAAGAACTTGAAA            ATTCACCCCTTGGAGAAGCTTTACGATCAGGACAAGCACGACGATCTTACCACCTGGGC            ACTATTATCAAAAGTCAAAATATGACTCAAGTGTGAGTGGTCAATCATCTTTTGTGACAT            CCCCAGCAGCAGACAACATAGAAATGCTTCTCATTATGAGCCAATTCATTTCAGTTCTT            CTATGAATGAATCTGCTCCACTGGTATTACTGATCATATTGTCCAAGAGTTTGTCTT            GTTGCCACGCTGGAGTCAATGGCGCATCTCAGCTCACTGCCACCTCCGCCTCCTGNG            TTCAAGCGATCCTGCCTCCACCTCCTTTATAGTTAGGATTACCAGACCTGATCCCCACCC            TTGAGAAAAGTCTACNAGAAAAATTTACTATGAGGCATTAAGCACTAGACCGAGAGTC            TTATGAAGTATCTTTACACAANAGAT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_017830 unedited            TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGCATGTTCTTTTACA            TTTTATTTGCCATAAACATTAAGATAATACAGAAAATACTGGGAGAAAAAAGCTTTTTTA            ATAATTTCTTGATGCAAAGCTTCACACTAAAAATTATGCTTGCTCCCCCATCCACCCC            AATTCAACATGCAGATATCATTTATTTTCTTATATGCTGATTCTAGAGCATTGTAATCTC            GACGGTTTTTAAAGATTATCTTTGCCCTTGCAACAATTCACAACTGTATACAATCAT            GGTATAATACCATCATTCAAATGAATCCCTAAGGTGAGTACATTTACACAATATTAACAC            TAAAAATCTGTGTTTTTAAAAACCATAGAAGTCAAACCACAAAAACCCAGGATCTTG            TTTTAAATGTGTTTATGAAGACTGCTGCTGAGCTCAAAGCATGCAGGTAATCATGACCAC            CTAGATGAAGCTGGATGTTGAAACTCCTCATGTCCAATGATGTAATTTTCACTCATCC            CAAGTATCTCCACTTGTTTACTTTGACTTCTTTTTTGGCACTCTTTCATGCATAGGC            CTGACTGAGGGGTCAGTCTTTTGTGTTAAAGATACTTCATATGACTCTCTGTTCTTATTC            CTAAATCCTCATATGTAATATCTTTTCTTTTAGGACTTCTTCAAAGGTGGGATCAGG            TCCTGTAATCTAACTAAGAGGCTGAGGCAGAATTGTTTGAACCCAGAAGCGGAGTT            TGCATGACTGAAAACCGCATGCACTCAAGCCTGGGCAAAAAAGCAAAATCTGGACATT            AGACCAGTATACCCAGGGGAGCCGATTCTTCTAAAAAATGAAGGGAATGCCTATATG            AGGAGACTTCTTTGTTGCTGTGCGGGGAGGCCAAAAGAGATGGCCCCCCTGGAGCCA            ATTTGACTTGAATAA</p>
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_017830
<b>Insert Size:</b>	1570 bp
<b>OTI Disclaimer:</b>	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).
<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_017830.1</a> , <a href="#">NP_060300.1</a>
<b>RefSeq Size:</b>	1434 bp
<b>RefSeq ORF:</b>	738 bp
<b>Locus ID:</b>	54940
<b>UniProt ID:</b>	<a href="#">Q9NX40</a>
<b>Cytogenetics:</b>	4p11
<b>Gene Summary:</b>	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 (1) encodes isoform 1. Both variants 1 and 2 encode the same isoform.