

Product datasheet for RR202502

Ociad1 (NM_001013874) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ociad1 (NM_001013874) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ociad1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202502 representing NM_001013874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGGAGGGCAGATTTTCGGGAGCCGAATGCACAAGTGTCAAGACCAATTCCTGACATAGGGGGCG
GCTACATTC AACAGAAGAGTGGAGGCTCTTTCAGAGTGCCATGAAGAGTGCTTCTGGTTCAGATC
TGTGCCGTTGGCTGCTACAAGTATGTTGATTACTCAAGGACTAATCAGTAAAGGAATACTGTCAAGTCAT
CCAAAATATGGTTCCATTCTAACTTATATTTGCTTGTATCGTGGGATACTTTGCTGGAAGCTTTCTT
ATGTGAAAATTGCCAAGAAAAGTTCAAGAAGCTTAAAAATTCTCCCTGGAGAAGCACTGCGGTGAGG
CGAGTTGCGGCGCTCTTTCACCTGGGCACTATACTCAAAGCCTAAATATGACTCAAATGTGAGTGGT
CAGTCCTCCTTTGGGACATCTCCAGCAGCAGACAACATAGAAAAGGAGACGCTTCTCGTTACGAGCCAA
TTCCATTTAGTGCTTCTATGAATGAATCCACTCCACTGGTATTACTGACCATATTGCCAAGGACCTGA
TCCCAACCTTGAAGACAGTCCCAAAGGAAAAGTGTACATATGAGGAGTTAAGGAATAAGAACAGAGAG
TCATATGGAGTAACCCTGTACACAAGACTGACCCCTCAGTCAGGCTATGCAGGAAAGAGGGCCCCAAA
AAGAAGTCAAAGTAAACAAATATGGAGATACTTGGGACGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202502 representing NM_001013874
 Red=Cloning site Green=Tags(s)

MNGRADFREPNAQVSRPIPDIIGGYIPTEEWRLF AECHEECFWFRSVPLAATSMLITQGLISKILSSH
PKYGSIPKLIFACIVGYFAGKLSYVKTCQEKFKLENSPLGEALRSGELRRSLPPGHYTKPKYDSNVSG
QSSFSGTSPAADNIEKETLPRYEPIPFSASMNESTPTGITDTHIAQGPDPNLEDSPKRKS SVTYEELRNKNRE
SYGVTLSHKTDPSVRPMQERGPQKEVKVKNKYGDTWDE

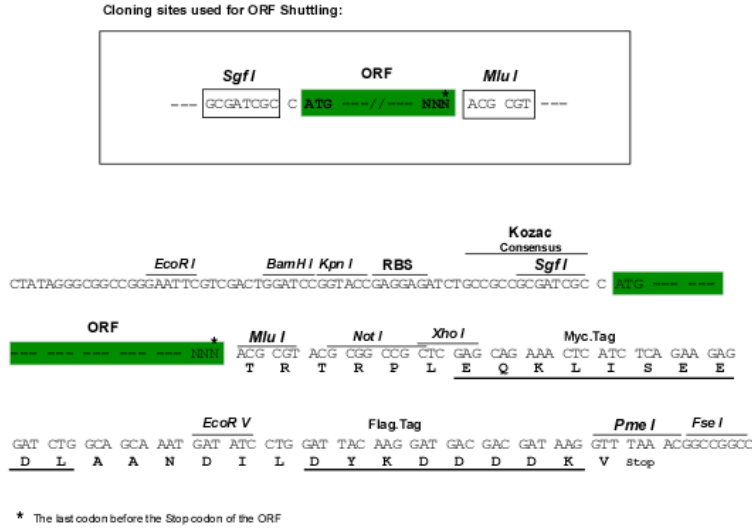
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



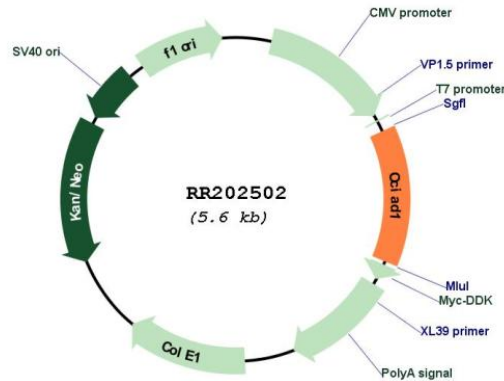
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013874

ORF Size: 741 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:	<ol style="list-style-type: none">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:	<u>NM_001013874.1</u> , <u>NP_001013896.1</u>
RefSeq Size:	1373 bp
RefSeq ORF:	744 bp
Locus ID:	289590
UniProt ID:	<u>Q5XIG4</u>
Cytogenetics:	14p11
MW:	27.7 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).[UniProtKB/Swiss-Prot Function]