

Product datasheet for **RC214630**

OASL (NM_198213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OASL (NM_198213) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OASL
Synonyms:	OASL1; OASLd; p59 OASL; p59-OASL; p59OASL; TRIP-14; TRIP14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC214630 representing NM_198213 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCACTGATGCAGGAAGTGTATAGCACACCAGCCTCCAGGCTGGACTCCTTCGTGGCTCAGTGGCTGC
AGCCCCACGGGAGTGAAGGAAGAGGTGCTAGACGCTGTGCGGACCGTGGAGGAGTTTCTGAGGCAGGA
GCATTTCCAGGGGAAGCGTGGGCTGGACCAGGATGTGCGGGTGTGAAGGTAGTCAAGGTGGGCTCCTTC
GGGAATGGCACGGTTCTCAGGAGCACCAGAGAGGTGGAGCTGGTGGCGTTTCTGAGCTGTTCCACAGCT
TCCAGGAGGCAGCCAAGCATCACAAAGATGTTCTGAGGCTGATATGGAACCATGTGGCAAAGCCAGGA
CCTGCTGGACCTCGGGCTCGAGGACCTGAGGATGGAGCAGAGAGTCCCCGATGCTCTCGTCTTACCATC
CAGACCAGGGGACTGCGGAGCCATCACGGTCACCATTTGCGCTGCCTACAGAGCCCTGGGGCCTTCTC
TTCCAACTCCCAGCCACCCCTGAGGTCTATGTGAGCCTGATCAAGGCCTGCGGTGGTCTGAAATTT
CTGCCCATCCTTCAGCGAGCTGCAGAGAAATTTGTAACATCGGCCAACTAAGCTGAAGAGCCTCCTG
CGCCTGGTGAACACTGGTACCAGCAGGCCATCATCTGGATCCGGCCGACCCACCCCTCAACGTGGCA
GAAGGGTACAGATGGGACATCGTTGCTCAGAGGGCCTCCAGTGCCTGAAACAGGACTGTTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC214630 representing NM_198213
Red=Cloning site Green=Tags(s)

MALMQELYSTPASRLDSFVAQWLQPHREWKEEVLDAVRTVEEFLRQEHFQGKRGLDQDVRVLKVVKVGFS
 NGTTLRSTREVELVAFLLSCFHSFQEAAKHHKDVLRLLIWKTMWQSQDLLDLGLEDLRMEQVRVDPDALVFTI
 QTRGTAEPITVTIVPAYRALGPSLPNSQPPPEVYVSLIKACGGPGNFCPSFSELQRNFVKHRPTKLKSLL
 RLVKHWYQQAHHPGSGRPHRQGRRRVQMGHRCSEGLPVPETGLLL

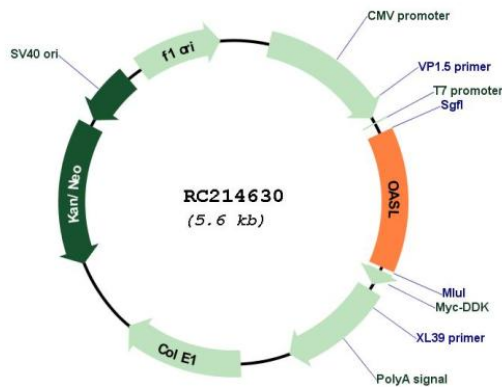
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198213
ORF Size: 765 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_198213.2](#), [NP_937856.1](#)

RefSeq Size: 1861 bp

RefSeq ORF: 768 bp

Locus ID: 8638

UniProt ID: [Q15646](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome

MW: 29.1 kDa

Gene Summary: Does not have 2'-5'-OAS activity, but can bind double-stranded RNA. Displays antiviral activity against encephalomyocarditis virus (EMCV) and hepatitis C virus (HCV) via an alternative antiviral pathway independent of RNase L.[UniProtKB/Swiss-Prot Function]