

Product datasheet for **RG217468**

OASL (NM_003733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OASL (NM_003733) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OASL
Synonyms:	OASL1; OASLd; p59 OASL; p59-OASL; p59OASL; TRIP-14; TRIP14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG217468 representing NM_003733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACTGATGCAGAACTGTATAGCACACCAGCCTCCAGGCTGGACTCCTTCGTGGCTCAGTGGCTGC
 AGCCCCACCGGGAGTGGAAAGGAAGAGGTCTAGACGCTGTGCGGACCGTGGAGGAGTTTCTGAGGCAGGA
 GCATTTCCAGGGGAAGCGTGGGCTGGACCAGGATGTGCGGGTGGTGAAGGTAGTCAAGGTGGGCTCCTTC
 GGGAAATGGCACGGTTCTCAGGAGCACCAGAGAGGTGGAGCTGGTGGCGTTTCTGAGCTGTTTCCACAGCT
 TCCAGGAGGCAGCAAGCATCACAAAGATGTTCTGAGGCTGATATGAAAAACCATGTGGCAAAGCCAGGA
 CCTGCTGGACCTCGGGCTCGAGGACCTGAGGATGGAGCAGAGAGTCCCCGATGCTTGTCTTACCATC
 CAGACCAGGGGACTGCGGAGCCCATCACGGTCACCATTTGTGCCTGCCTACAGAGCCCTGGGGCCTTCTC
 TTCCAACTCCCAGCCACCCCTGAGGTCTATGTGAGCCTGATCAAGGCCTGCGGTGGTCTGAAATTT
 CTGCCATCCTCAGCGAGCTGCAGAGAAATTTCTGAAACATCGCCAACCTAAGCTGAAGAGCCTCCTG
 CGCCTGGTGAAACTGGTACCAGCAGTATGTGAAAGCCAGGTCCCCAGAGCCAATCTGCCCCCTCTCT
 ATGCTCTTGAACCTTAACCATCTATGCCTGGGAAATGGTACTGAAGAAGACGAGAATTTTCATGTTGGA
 CGAAGGCTTACCACTGTGATGGACCTGCTCCTGGAGTATGAAGTCATCTGTATCTACTGGACCAAGTAC
 TACACACTCCACAATGCAATCATTGAGGATTGTGTGAGAAAACAGCTCAAAAAAGAGAGGCCCATCATCC
 TGGATCCGGCCGACCCACCCCTCAACGTGGCAGAAAGGGTACAGATGGGACATCGTTGCTCAGAGGGCCTC
 CCAGTGCCTGAAACAGGACTGTTGCTATGACAACAGGGAGAACCCCATCTCCAGCTGGAACGTGAAGAGG
 GCACGAGACATCCACTTGACAGTGGAGCAGAGGGGTTACCCAGATTTCAACCTCATCGTGAACCCCTTATG
 AGCCCATAAAGGAAGGTTAAAGAGAAAAATCCGGAGGACCAGGGGCTACTCTGGCCTGCAGCTCTGTCTCT
 CCAGGTTCTGGCAGTGAGAGGCAGCTTCTCAGCAGCAGGTGCTCCTTAGCCAAATATGGGATCTTCTCC
 CACACTCACATCTATCTGCTGGAGACCTCCCCTCCGAGATCCAGGTCTTCGTGAAGAATCCTGATGGTG
 GGAGCTACGCCTATGCCATCAACCCCAACAGCTTCATCCTGGGTCTGAAGCAGCAGATTGAAGACCAGCA
 GGGGCTTCTCTAAAAGCAGCAGCAGCTGGAATTCAGGCAAGTCTGCAGGACTGGTTGGGTCTGGGG
 ATCTATGGCATCCAAGACAGTGACACTCTCATCTCTCGAAGAAGAAAGGAGAGGCTCTGTTTCCAGCCA
 GT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217468 representing NM_003733
 Red=Cloning site Green=Tags(s)

MALMQELYSTPASRLDSFVAQWLQPHREWKEEVLDAVRTVEEFLRQEHFQGKRGLDQDVRVLKVVKVGSF
 GNGTVLRSTREVELVAFLSCFHSFQEAAKHHKDVLRLLIWKTMWQSDLLDLGLEDLRMEQRVDPDALVFTI
 QTRGTAEPITVTIVPAYRALGPSLPNSQPPPEVYVSLIKACGGPGNFCPSFSELQRNFVKHRPTKLSLL
 RLVKHWYQQYVKARSPRANLPPLYALELLTIYAWEMGTEEDENFMLDEGFTTVMDLLLEYEVICIIYWKY
 YTLHNAIIEDCVRKQLKKERPIILDPAADPTLNVAEGYRWDIVAQRASQCLKQDCCYDNRENPISSWNVKR
 ARDIHLTVEQRGYPDFNLIVNPYEPPIRKVKEKIRRTRGYSGLQRLSFQVPGSERQLLSSRCSLAKYGFIS
 HTHIYLLETIPSEIQVFVKNPDGGSYAYAINPNSFILGLKQIIEQQGLPKKQQQLFQGGVLDWLGLG
 IYGIQSDTLILSKKKGEALFPAS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_003733

ORF Size: 1542 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_003733.1](#)

RefSeq Size: 1826 bp

RefSeq ORF: 1545 bp

Locus ID: 8638

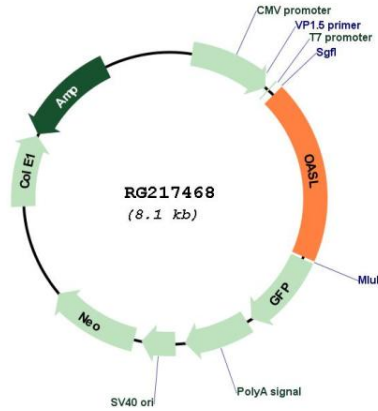
UniProt ID: [Q15646](#)

Cytogenetics: 12q24.31

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG217468