

Product datasheet for **RG232627**

OASL (NM_001261825) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OASL (NM_001261825) 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)
ORF Nucleotide Sequence:	>RG232627 representing NM_001261825 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACTGATGCAGGAAGTGTATAGCACACCAGCCTCCAGGCTGGACTCCTTCGTGGCTCAGTGGCTGC
AGCCCCACCGGGAGTGGAAGGAAGAGGTGCTAGACGCTGTGCGGACCGTGGAGGAGTTTCTGAGGCAGGA
GCATTTCCAGGGGAAGCGTGGGCTGGACCAGGATGTGCGGGTGTGAAGGTAGTCAAGGTGGGCTCCTTC
GGGAATGGCACGGTTCTCAGGAGCACCAGAGAGGTGGAGCTGGTGGCGTTTCTGAGCTGTTCCACAGCT
TCCAGGAGGCAGCAAGCATCACAAAGATGTTCTGAGGCTGATATGGAAAACCATGTGGCAAAGCCAGGA
CCTGCTGGACCTCGGGCTCGAGGACCTGAGGATGGAGCAGAGAGTCCCGCATGCTCTCGTCTCACCATC
CAGACCAGGGGGACTGCGGAGCCATCACGGTACCATTGTGCCTGCCTACAGAGCCCTGGGGCCTTCTC
TTCCAACTCCCAGCCACCCCTGAGGTCTATGTGAGCCTGATCAAGGCCTGCGGTGGTCTGAAATTT
CTGCCATCCTTCAGCGAGCTGCAGAGAAATTCGTGAAACATCGGCCAACTAAGCTGAAGAGCCTCCTG
CGCCTGGTGAACACTGGTACCAGCAGAGGGCACGAGACATCCACTTGACAGTGGAGCAGAGGGGTACC
CAGATTTCAACCTCATCGTGAACCCTTATGAGCCATAAAGGAAGTTAAAGAGAAAATCCGGAGGACCAG
GGGCTACTCTGGCCTGCAGCGTCTGTCTTCCAGTTCCTGGCAGTGAAGGCAGCTTCTCAGCAGCAGG
TGCTCCTTAGCCAAATATGGGATCTTCTCCCACTCACATCTATCTGCTGGAGACCACCCCTCCGGA
TCCAGGTCTTCGTGAAGAATCCTGATGGTGGGAGCTACGCCTATGCCATCAACCCCAACAGCTTCACTCT
GGGTCTGAAGCAGCAGATTGAAGACCAGCAGGGGCTTCTAAAAAGCAGCAGCAGCTGGAATTTCAAGGC
CAAGTCTGCAGGACTGGTTGGGTCTGGGGATCTATGGCATCCAAGACAGTGACACTCTCATCTCTCGA
AGAAGAAAGGAGAGGCTCTGTTCCAGCCAGT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232627 representing NM_001261825
 Red=Cloning site Green=Tags(s)

MALMQELYSTPASRLDSFVAQWLQPHREWKEEVLDAVRTVEEFLRQEHFQGKRGLDQDVRVLKVVKVGSG
 GNGTVLRSTREVELVAF LSCFHSFQEA AKHKKDVLRLIWKTMWQSQDLLDLGLEDLRMEQRVPDALVFTI
 QTRGTAEPITVTIVPAYRALGPSLPNSQPPPEVYVSLIKACGGPGNFCPSFSELQRNFVKHRPTKLSLL
 RLVKHWYQQRARDIHLTVEQRGYPDFNLI VNPYEP IRKVKKEIRRTRGYSLQRLSFQVPGSERQLLSSR
 CSLAKYGI FSHTHYLLETIPSEIQVFVKNPDGGSYAYAINPNSFILGLKQQIEDQQGLPKKQQQLEFQG
 QVLQDWLGLGIYGIQDSDTLILSKKKGEALFPAS

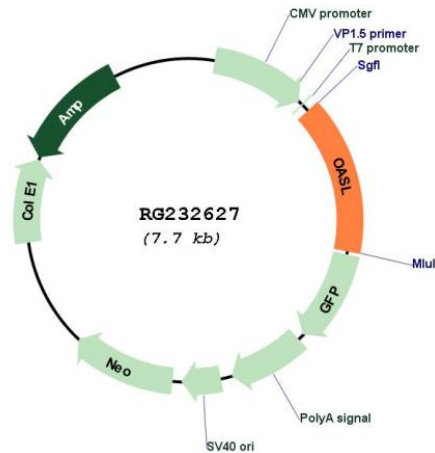
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001261825

ORF Size:	1152 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:	NM_001261825.1 , NP_001248754.1
RefSeq Size:	1713 bp
RefSeq ORF:	1155 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]