

## Product datasheet for **MR208220**

### **Oasl1 (NM\_145209) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Oasl1 (NM_145209) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oasl1
Synonyms:	7530414C13Rik; oasl9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208220 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGTCGCCAGGAGCTGTACGGCTTCCCGCCTCCAAGCTGGACTCCTTTGTGGCTCAGTGGCTGC  
 AGCCAACCAGAGAGTGGAAAGAAGAGGTCTGGAGACCGTGCAGACAGTGGAGCAGTTCTGAGGCAGGA  
 GAATTTCCGTGAAGATCGTGGCCCGGCTCGGGATGTGCGCGTGTCTCAAGTACTCAAGGTAGGCTGCTTT  
 GGGAAATGGCACCGTGTCTCAGGAGCACTACAGACGTGGAGCTGGTCTGTTCTGAGCTGTTTCCACAGCT  
 TCCAGGAAGAAGCAAGCACCATCAGGCTGTCTGAGACTGATACAGAAAAGGATGTACTACTGCCAGGA  
 GCTGATGGACCTTGGGCTCAGTAACCTGAGTGTGACTAACAGAGTACCCAGTAGTCTCATCTTCACGATC  
 CAGACCAGGGAGACCTGGGAGACCATCACTGTACCCTGTGCCCCGCTACAGAGCCCTGGGCCCTTCTCT  
 GTCCCAGCTCCGAGGTCTACGCAATCTGATCAAGGCTAATGGGTACCCAGGAAATTTCTCTCCATCCTT  
 CAGCGAGCTGCAGCGAACTTCGTGAAGCATCGGCCGACGAAGCTGAAGAGCCTCCTTCGGTTGGTCAA  
 CACTGGTACCAGCAGTATGTGAGAGACAAGTGCSCCGGCCAACCTGCCCCCTCTCTATGCCCTGGAGC  
 TGCTCACTGTCTATGCCTGGGAAGCGGGCACCCGGGAGGATGCCAACTTCAGGCTGGATGAAGGCCTCGC  
 CACGGTATGGAGCTGTCCAGGATCATGAGCTCCTGTATCTACTGGACCAAGCACTACACGCTGCAG  
 CACCCGGTATCGAGGCTGTGTGAGGAGACAGCTCAGGGGACAAAGGCCTGTATCCTGGACCCAGCAG  
 ACCCCACCAACAATGTGGCAGAAGGCTACAGATGGGACATAGTGGCTCAGCGGGCAACCAGTGTCTGAA  
 ACAGGACTGTTGCTATGACAACAGGGACAGCCCATCCCAGCTGGAGGGTGAAGAGACACCCGATATC  
 CAGGTGACCGTGCAGCAGTGGGGCACCCGGATTTAACCTTCTGGGTGAACCTTATGAACCATAAAGA  
 AACTGAAAGAGAAAAATCCAATGAGCCGGGCTACTTGGGCTGCAGCGTCTGTCTTTCAGGAGCTCGG  
 CCGAGAACGTGAGCTCATCAGAAGCCATTGCACGCTCGCCTACTACGGAATCTTCTGCGACACCCACATC  
 TGCTGTGAGACACCATCTCCCCTGAGATCCAGGCTTTTGTGAAAAACCCGGATGGCAGGAGCCACGCT  
 ATGCGATCCACCCGCTTGATTATGTCTGAACCTGAAGCAGCAGATAGAAGACAGGCAGGGCCTTCGATG  
 CCAGGAGCAGCGCTGGAGTTCAGGGCCACATCCTGGAGGACTGGTTTGACCTTAAATCTATGGCATC  
 CAAGACAGTGTACAGTCATCTGTCCAAGATGACGGAGGGGCGAGTCCATTTGTGCCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208220 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVAQELYGFPASKLDSFVAQWLQPTREWKKEVLETVQTVEQFLRQENFREDRGPARDVRVLKVLKVGCF  
 GNGTVLRSTTDVELVVFLSCFHSFQEEAKHHQAVLRLLIQKRMYYCQELMDLGLSNLSVTNRVPSLIFTI  
 QTRETWETITVTVPAYRALGPSCPSSEVYANLIKANGYPGNFSPSFSELQRNFVKHRPTKLSLLRLVK  
 HWYQQYVRDKCPRANLPPLYALELLTVYAWAAGTREDANFRLDEGLATVMELLQDHELLCIYWKHYTLQ  
 HPVIEACVRRQLRGQRPVILDPADPTNNVAEGYRWDIVAQRANQCLKQDCCYDNRDPSIPSWRVKRAPDI  
 QVTVQQWGHPLTFWVNPYEPYIKKLEKIQLSRGYLGLQRLSFQELGGERQLIRSHCTLAYYGIFCDTHI  
 CLLDTISPEIQVFVKNPDGRSHAYAIHPLDYVLNLKQQIEDRQGLRCQEQRLEFQGHILEDFDLKSYGI  
 QDSVTVILSKMTEGAAPFVPS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145209

**ORF Size:** 1536 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\\_145209.1](#), [NM\\_145209.2](#), [NM\\_145209.3](#), [NP\\_660210.1](#)

**RefSeq Size:** 2124 bp

**RefSeq ORF:** 1536 bp

**Locus ID:** 231655

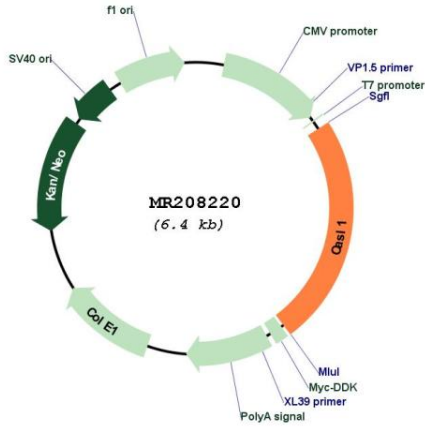
**UniProt ID:** [Q8VI94](#)

**Cytogenetics:** 5 F

MW: 59.1 kDa

Gene Summary: Does not have 2'-5'-OAS activity, but can bind double-stranded RNA. Displays antiviral activity via an alternative antiviral pathway independent of RNase L.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208220