

Product datasheet for MR212241

Oas1c (NM_033541) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oas1c (NM_033541) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oas1c
Synonyms:	Oasl2; Oasl5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212241 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGAATGGTCTCTGCAGCATCCAAGCCAGGGAGCTGGACGAGTTCATATGTGATTACCTCTTTCCTG
 ACACCACCTTCTTACTGAGCTCAGAGCAGACATCGACTCCATAAGTGCTTCTGAAGGAGAGATGCTT
 CCAAGGTGCCGCCATCTGTGAGGGTCTCCAGGGTTGTATGGGCGGCTCCTATGATGAACACACTGCA
 CTCAAGGGCAAGTCAGAGGCCAAAATGGTGTGTTCTTTAACAATCTCACCAGCTTTGAGGAGCAGTTAA
 AGCGACGGGGAGAGTTCGTTGAGGAAATTCAGAAACACCTGTGTCAGCTGCAGCAAGAGAAACCATTTAA
 AGTGAAGTTTGAGGTGCAGAGCTCAGAGGAGCCCAACTCCAGGTCTCTGAGCTTCAAGCTGAGCTCCCC
 GAGCTCCAGCAGGAGGTGGAATTTGATGTGCAGCCAGCCTATGATGTCCTATATGAAGTGAAGAAACA
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 GGAGGGCGATTCTCCATCTGCTTCACCGACCTCCATCAGAACTTCATGAGGTATCGTGCGCCCAAGCTC
 TGGAACTCATCCGTCTGGTCAAGCACTGGTATCAACTGTGTAAGGAGAAGCTGAGGGAGCCGCTGCCCC
 CACAGTACGCCCTGGAGCTGCTCACTGTCTATGTATGGGAACATTCGAATAAAAAAACAAGAAAAAGTAA
 CACAGCCAAGAACTTCCGGACCTTCTTAGAACTGGTGCCTATTACAAGAATCTTGAATCTACTGGACA
 TGGTATTATGACTTCCGACATCAAGAGGTCTGTGCCTACCTGTGCAGACAGCTCAAAAAAGCCAGGCCTC
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 GATTTGTCGCCAGAGAGACAAGAATGTGCCTTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR212241 protein sequence
 Red=Cloning site Green=Tags(s)

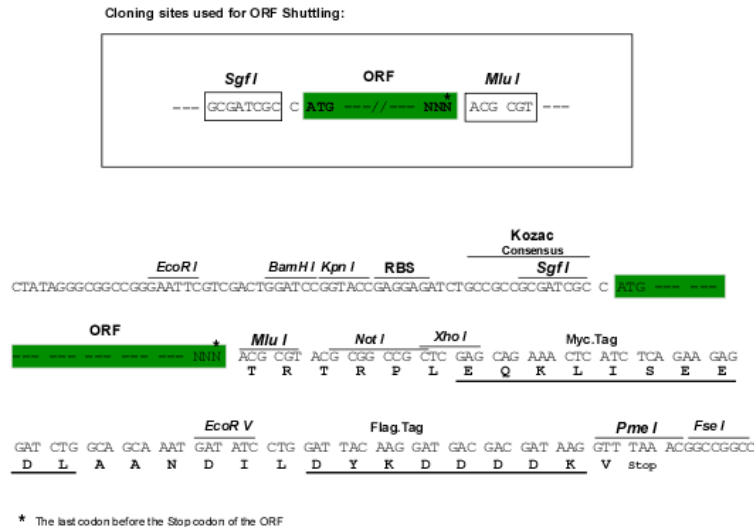
MENGLCSIQARELDEFIDYLPDITFLTELADIDSISAFKERCFCQGAHPVRVSRVVMGGSYDEHTA
 LKKGSEAKMVLFFNNLTSFEEQLKRRGEFVEEIQKHL CQLQQEKPKVKFEVQSSEEPNSRSLSFKLSSP
 ELQQEVEFDVQPAYDVL YELRNNTYAEPQFYNKVYAQLIHECTTLEKEGDFSICFTDLHQNFMRYPAPKL
 WNLIRLVKHWYQLCKEKLREPLPPQYALELLTVYVWEHSNKNQEKVTTAKNFRTFLELVAYYKNLRIYWT
 WYYDFRHQEVCAYL CRLKARPLILDPADPTRNVAGSDLQAWDLLAKEAQTWMQSSCFRNCDSFVPTW
 DLSPERQECAPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033541

ORF Size: 1086 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_033541.4](#), [NP_291019.1](#)

RefSeq Size: 2286 bp

RefSeq ORF: 1089 bp

Locus ID: 114643

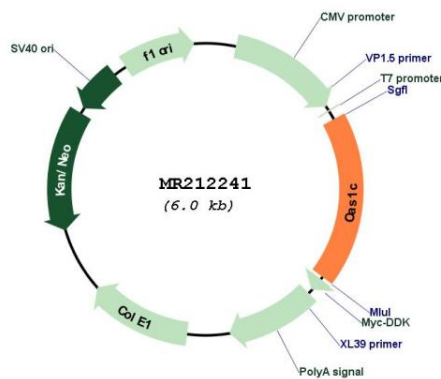
UniProt ID: [Q924S2](#)

Cytogenetics: 5 60.64 cM

MW: 42.9 kDa

Gene Summary: Does not have 2'-5'-OAS activity, but can bind double-stranded RNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212241