

Product datasheet for **MR205542**

Oas1d (NM_133893) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oas1d (NM_133893) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oas1d
Synonyms:	AA536864; C85127; oas18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205542 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAGGGAACCTTCAGAACCCCAATCTGGAGGCTGGATAAGTTCATAGAGGATCAACTCCTTCCTG
 ACACCACCTTCCTTACTGAGCTCAGAGCAGACATCGACTCCATAAGTGCTTCTCTGATGGAGAGATGCTT
 CCAAGGTGCCGCCATCCTGTGAGGGTCTCCAGGGTTCGATGGGTGGCTGCTACAATGAATACACTGTG
 CTCAAGGGCAGGTCTGAGGCCAACATGGTGGTGTTCCTTATCAATCTCACAAGCTTTGAGGATCAGTTCA
 ACGGACAGGTAGTGTTCATTGAGGAAATTTGGAGACACCTACTCCAGTTGCAGCAAGAGAACTATGTAA
 ACTCAAGTTTGAGGTCCAGAGCCCAAAGGAGCCCAACTCCAGGTTTCTGAGCTTCAAGCTGAGCTGCCCC
 GAGCGCCAGCATGAGTTGGAATTTGATGTGCAGCCAGCCTATGATGCCCTGTATGAAGTAAGACACTTCA
 AGCCCTTTGACTCCAGTAACATAACAAAGTCTACGCCCAACTCACCCATGAGTGCACCACACTGGAGAA
 GGAGGGCGAGTTCTCCATCTGCTTCACCGACCTCCATCAGAGCTTCTGAGGTATCGTGCGCCCAAGCTC
 TGGAACTCATCCGTTTGGTCAAGCACTGGTATCAACTGTGTAAGGAGAAGCTGAGGGGGCCGCTGCCTC
 CACAGTACGCCCTGGAGCTGCTTACAGTCTACGCTGGAATACGGGATCCACGAAAACCTGGACTCCA
 TACAGCCCACTGCTTCCGCACTGCTTAGAACTTGTACCAAGTACAAACGGCTTCGAATCTACTGGACA
 TGGTGTATGACTTTCAACACGAGATCTCTGACTACCTGCAGGGACAGATCAAAAAGCCAGGCCTCTGA
 TCCTGGATCCAGCAGACCAACAAGGAATGTGGCTGGTTACAGACTTACAGGCATGGGACCTGCTGGCAAA
 GGAGGCTCAGATCTGGATAGATTGACTTTCTTTACGAACCATGATATGTCCATTGTGGAAGCCTGGGAA
 GTGATGCCAGAGAGACAAGAATGTGCTTCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR205542 protein sequence
 Red=Cloning site Green=Tags(s)

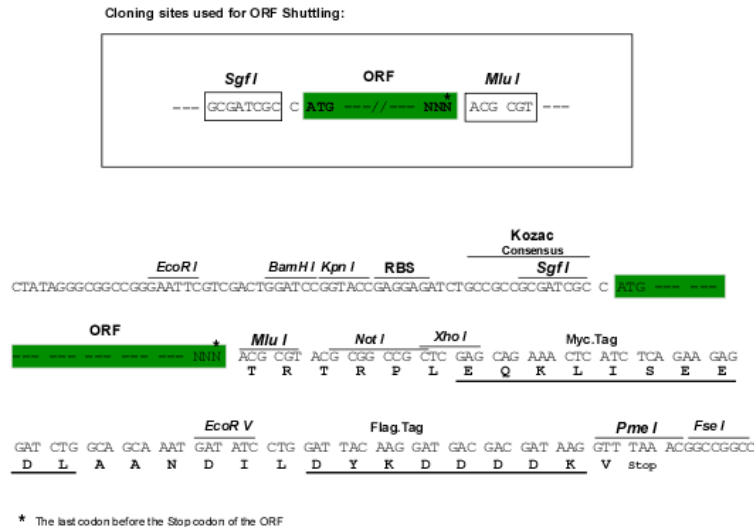
MARELFRTPIWRLDKFIEDQLLPDFTFLTELADIDSISAFLMERCFQGAHPVRVSRVAMGGCYNEYTV
 LKGRSEANMVVFLINLTSFEDQFNGQVVFIEEIWRHLLQLQQEKCLKKFEVQSPKEPNRFLSFKLSCP
 ERQHELEFDVQPAYDALYEVRFHFKPFDSSNKNVYAQLTHECTTLEKEGEFSICFTDLHQSFRLRYRAPKL
 WNLIRLVKHWYQLCKEKLGRPLPPQYALELLTVVWVEYGIHENPGLHTAQCFRTVLELVTKYKRLRIYWT
 WCYDFQHEISDYLGQGIKKARPLILDPADPTRNVAGSDLQAWDLLAKEAQIWDSTFTNHDMSSIVEAWE
 VMPEEQECVFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133893

ORF Size: 1083 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_133893.1](#), [NM_133893.2](#), [NM_133893.3](#), [NP_598654.1](#)

RefSeq Size: 1750 bp

RefSeq ORF: 1086 bp

Locus ID: 100535

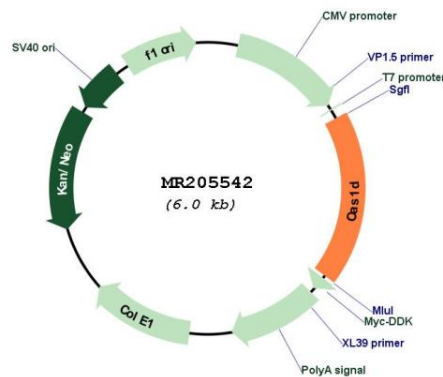
UniProt ID: [Q8VI95](#)

Cytogenetics: 5 60.87 cM

MW: 42.8 kDa

Gene Summary: Does not have 2'-5'-oligoadenylate synthetase activity, but can bind double-stranded RNA (PubMed:15899864, PubMed:12396720). May play a role in the control of female fertility, possibly by binding to and inhibiting OAS1A (PubMed:15899864).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205542