

Product datasheet for **MG205646**

Oas1g (NM_011852) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oas1g (NM_011852) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Oas1g
Synonyms:	AI449562; L; L2; Mmu-; Mmu-L; Mmu-L2; O; Oas1b; Oi; Oias-1; Oias1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205646 representing NM_011852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCAGGACTCAGGAGCATCCCAGCCTGGAAGCTGGACAAGTTCATAGAGGATTACCTCCTTCCCG
 ACACCACCTTTGGTGCTGATGTCAAATCAGCCGTCATGTCTGTGTGATTTCTGAAGGAGAGATGCTT
 CCAAGGTGCTGCCACCCAGTGAGGGTCTCCAAGGTGGTGAAGGGTGGCTCCTCAGGCAAAGGCACCACA
 CTCAAGGGCAAGTCAGACGCTGACCTGGTGGTGTTCCTTAACAATCTCACCAGCTTTCAGGATCAGTTAA
 ACCGACGGGGAGAGTTCATCAAGGAAATTAAGAAACAGCTGTACGAGGTTACGATGAGAGACATTTTAG
 AGTCAAGTTTGAGGTCCAGAGTTCATGGTGGCCCAACGCCGGTCTCTGAGCTTCAAGATGAGCGCCCC
 CATCTGCATCAGGAGGTGGAGTTTGATGTGCTTCCAGCCTTTGATGTCTGGGTATGGTAGTATCAATA
 AGAAGCCTAATCCCTTAATCTACACCATCTCATCTGGGAATGTACCTCCCTGGGAAGGATGGCGAGTT
 CTCTACCTGCTTCACGGAGCTCCAGCGGAATTCCTGAAGCAGCGCCCAACCAAGCTGAAGAGTCTCATC
 CGCCTGGTCAAGCACTGGTACCAACTGTGAAGGAGAAGCTGGGAAGCCACTGCCCCACAGTATGCC
 TGGAGCTACTCACTGTCTATGCCTGGGAACAGGGGAATGGATGTAATGAGTTCAACACAGCCAGGGCTT
 CCGGACCGTCTTGAAGTGGTCAATTAACAGCATCTTGAATCTACTGGACAAAGTATTATGACTTT
 CAACACAAGGAGGTCTCCAAATACCTGCACAGACAGCTCAGAAAAGCCAGGCCTGTGATCCTGGACCCAG
 CTGACCCAAACAGGAATGTGGCCGGTGGGAACCCAGAGGGCTGGAGGCGTTGGCTGAAGAGGCTGATGT
 GTGGCTGTGGTACCCATGTTTTATGAAAAACGATGGTTCCCGAGTGAGCTCCTGGGATGTGCCGACGGTG
 GTTCCTGTACCTTTTGAGCAGGAGGAGGAGAACTGGACATGTATCCTGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG205646 representing NM_011852
 Red=Cloning site Green=Tags(s)

MEHGLRSIPAWKLDKFIEDYLLPDTTFGADVKSAVNVVCDLKERCFQGAHPVRVSKVVGSSGKGT
 LKKGSDADLVVFLNNLSFQDQLNRRGEFIKEIKKQLEYVQHERHFRVKFEVQSSWWPNARSLSFKMSAP
 HLHQVEFVDVLPADFVLGHGSINKPNPLIYTIILIWECTSLGKDGEFSTCFTELQRNFKQRPTKLKSLI
 RLVKHWYQLCKEKL GKPLPPQYALELLTVYAWEQNGCNEFNQAQGFRTVLELVINYQHLRIYWKYYDF
 QHKEVSKYLHRQLRKARPVILDPADPTGNVAGGNPEGWRRLAEEADVWLWYPCFMKNDGSRVSSWDVPTV
 VPVPFEQEEENWTCILL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_011852

ORF Size: 1101 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_011852.1](#)

RefSeq Size: 1993 bp

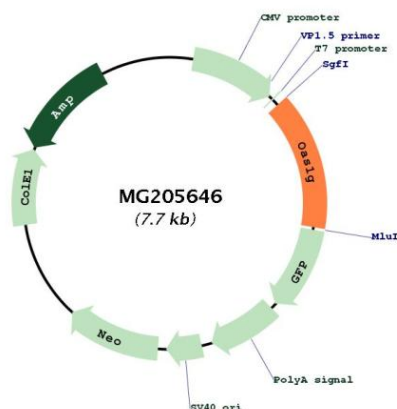
RefSeq ORF: 1104 bp

Locus ID: 23960

Cytogenetics: 5 60.65 cM

Gene Summary: This gene encodes a member of the oligoadenylate synthetase family of proteins. This gene and several other family members are present in a gene cluster on chromosome 5. These proteins are believed to function in antiviral immunity through binding to viral dsRNA and subsequent synthesis of 2'-5'-oligoadenylates. The expression of this gene has been shown to be induced by interferon. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Product images:



Circular map for MG205646