

Product datasheet for **SC303744**

OAS3 (NM_006187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OAS3 (NM_006187) Human Untagged Clone
Tag:	Tag Free
Symbol:	OAS3
Synonyms:	p100; p100OAS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_006187 edited
 GCGGGAAAACGAAACCAGAAATCCGAAGGCCGCGCCAGAGCCCTGCTTCCCCTTGCACCT
 GCGCCGGGCGGCCATGGACTTGTACAGCACCCCGCCGCTGCGCTGGACAGGTTCTGTGGC
 CAGAAGGCTGCAGCCGCGAAGGAGTTCGTAGAGAAGGCCGCGGCGCTCTGGGCGCCCT
 GGCCGCTGCCCTGAGGGAGCGCGGGGCGCCTCGGTGCTGCTGCCCGCGGGTGTGAA
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 GATCCTCAGTGAGATGCGGGCATCGCTGGAATCCTGGTGGCAGAACCAGTCCCTGGTCT
 GAGACTCAGTTTTCTGAGCAGAGCGTGCCTGGGCGCTGCAGTCCGCCTGACATCCGT
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 AGCCAAGTTGAAGAACCTAATCTTGCTGGTGAAGCACTGGTACCACCAGGTGTGCCTACA
 GGGGTTGTGGAAGGAGACGCTGCCCGGTCTATGCCCTGGAATTGCTGACCATCTTCGC
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 GGACCGCTTCATCCAGGACCACCTGAAGCCGAGCCCCAGTTCAGGAGCAGGTGAAAAA
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GATGAGAGAGATTGTGTACATGTGTGTGTGAGCACATGTGTGCATGTGTGTGCACACGTG
TGCATGTGTGTGTTTTAGTGAATCTGCTCTCCAGCTCACACACTCCCCT

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- Restriction Sites:** Please inquire
- ACCN:** NM_006187
- Insert Size:** 3500 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_006187.2.
- 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_006187.2](#), [NP_006178.2](#)

RefSeq Size: 6646 bp

RefSeq ORF: 3264 bp

Locus ID: 4940

UniProt ID: [Q9Y6K5](#)

Cytogenetics: 12q24.13

Gene Summary: This gene encodes an enzyme included in the 2', 5' oligoadenylate synthase family. This enzyme is induced by interferons and catalyzes the 2', 5' oligomers of adenosine in order to bind and activate RNase L. This enzyme family plays a significant role in the inhibition of cellular protein synthesis and viral infection resistance. [provided by RefSeq, Jul 2008]