

# Product datasheet for RC208273L4

## OAS2 (NM\_002535) Human Tagged Lenti ORF Clone

#### **Product data:**

#### **OriGene Technologies, Inc.**

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Product Type:	Expression Pla	smids				
Product Name:	, OAS2 (NM_002535) Human Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	OAS2					
Mammalian Cell Selection:	Puromycin					
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)					
E. coli Selection:	Chloramphenicol (34 ug/mL)					
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208273).					
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:			es used for ORF Shu Sgf I GCG ATC GC ATG	ORF	Mlu I ACG CGT	
		EcoR I	<u>BamH I</u>	RBS	Kozak Consensus Sgf I	ORF

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGGATCGC C Mlul Notl \_Xhol mGFP Tag 



\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_002535 2061 bp



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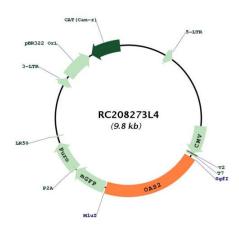
	(NM_002535) Human Tagged Lenti ORF Clone – RC208273L4
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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. <u>More info</u>
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 Methoo	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 002535.2, NP 002526.2</u>
RefSeq Size:	3647 bp
RefSeq ORF:	2064 bp
Locus ID:	4939
UniProt ID:	<u>P29728</u>
Cytogenetics:	12q24.13
Domains:	NTP_transf_2
Protein Families:	Druggable Genome
MW:	78.8 kDa
Gene Summary:	This gene encodes a member of the 2-5A synthetase family, essential proteins involved in the innate immune response to viral infection. The encoded protein is induced by interferons and uses adenosine triphosphate in 2'-specific nucleotidyl transfer reactions to synthesize 2',5'-oligoadenylates (2-5As). These molecules activate latent RNase L, which results in viral RNA degradation and the inhibition of viral replication. The three known members of this gene family are located in a cluster on chromosome 12. Alternatively spliced transcript variants

encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

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### **Product images:**



Circular map for RC208273L4

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