

Product datasheet for **RC208273L2V**

OAS2 (NM_002535) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OAS2 (NM_002535) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OAS2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002535
ORF Size:	2061 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208273).
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.
RefSeq:	NM_002535.2 , NP_002526.2
RefSeq Size:	3647 bp
RefSeq ORF:	2064 bp
Locus ID:	4939
UniProt ID:	P29728
Cytogenetics:	12q24.13
Domains:	NTP_transf_2
Protein Families:	Druggable Genome
MW:	78.8 kDa



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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]