

Product datasheet for **MR207555L3V**

Oasl2 (NM_011854) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Oasl2 (NM_011854) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Oasl2 |
| Synonyms: | M1204; Mmu-OASL; Oasl |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_011854 |
| ORF Size: | 1524 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR207555). |
| 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_011854.2 , NP_035984.2 |
| RefSeq Size: | 3136 bp |
| RefSeq ORF: | 1527 bp |
| Locus ID: | 23962 |
| UniProt ID: | Q9Z2F2 |
| Cytogenetics: | 5 F |


[View online »](#)

Gene Summary:

Interferon-induced, dsRNA-activated antiviral enzyme which plays a critical role in cellular innate antiviral response. Synthesizes oligomers of 2'-5'-oligoadenylates (2-5A) from ATP which then bind to the inactive monomeric form of ribonuclease L (RNase L) leading to its dimerization and subsequent activation. Activation of RNase L leads to degradation of cellular as well as viral RNA, resulting in the inhibition of protein synthesis, thus terminating viral replication. Can mediate the antiviral effect via the classical RNase L-dependent pathway or an alternative antiviral pathway independent of RNase L.[UniProtKB/Swiss-Prot Function]