

## Product datasheet for **MR201790L4V**

### **Mocs2 (NM\_001113374) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Mocs2 (NM_001113374) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Mocs2  |
| Synonyms:                 | AI415403   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001113374   |
| ORF Size:                 | 570 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR201790).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_001113374.1</a> , <a href="#">NP_001106845.1</a>  |
| RefSeq Size:              | 1767 bp  |
| RefSeq ORF:               | 570 bp   |
| Locus ID:                 | 17434  |
| UniProt ID:               | <a href="#">Q9Z223</a>   |
| Cytogenetics:             | 13 D2.2  |



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**Gene Summary:**

Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. Based on experiments with the human molybdopterin synthase ortholog, they are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits. [provided by RefSeq, Jul 2008]