

Product datasheet for **RC206820L4V**

ME1 (NM_002395) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | ME1 (NM_002395) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | ME1 |
| Synonyms: | HUMNDME; MES |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_002395 |
| ORF Size: | 1716 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC206820). |
| 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_002395.3 |
| RefSeq Size: | 3519 bp |
| RefSeq ORF: | 1719 bp |
| Locus ID: | 4199 |
| UniProt ID: | P48163 |
| Cytogenetics: | 6q14.2 |
| Domains: | malic |
| Protein Pathways: | Metabolic pathways, PPAR signaling pathway, Pyruvate metabolism |



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MW: 64.1 kDa

Gene Summary: This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet. [provided by RefSeq, Jul 2008]