

Product datasheet for **RC223199L4V**

MBNL1 (NM_207297) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | MBNL1 (NM_207297) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | MBNL1 |
| Synonyms: | EXP; MBNL |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_207297 |
| ORF Size: | 1026 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC223199). |
| 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_207297.1 |
| RefSeq Size: | 5277 bp |
| RefSeq ORF: | 1029 bp |
| Locus ID: | 4154 |
| UniProt ID: | Q9NR56 |
| Cytogenetics: | 3q25.1-q25.2 |
| MW: | 36.9 kDa |



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Gene Summary:

This gene encodes a member of the muscleblind protein family which was initially described in *Drosophila melanogaster*. The encoded protein is a C3H-type zinc finger protein that modulates alternative splicing of pre-mRNAs. Muscleblind proteins bind specifically to expanded dsCUG RNA but not to normal size CUG repeats and may thereby play a role in the pathophysiology of myotonic dystrophy. Mice lacking this gene exhibited muscle abnormalities and cataracts. Several alternatively spliced transcript variants have been described but the full-length natures of only some have been determined. The different isoforms are thought to have different binding specificities and/or splicing activities. [provided by RefSeq, Sep 2015]