

## Product datasheet for **RC202020L1V**

### Matrin 3 (MATR3) (NM\_199189) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Matrin 3 (MATR3) (NM_199189) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Matrin 3   |
| Synonyms:                 | ALS21; MPD2; VCPDM   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_199189  |
| ORF Size:                 | 2541 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC202020).   |
| 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_199189.1</a> , <a href="#">NP_954659.1</a>  |
| RefSeq Size:              | 5604 bp  |
| RefSeq ORF:               | 2544 bp  |
| Locus ID:                 | 9782   |
| UniProt ID:               | <a href="#">P43243</a>   |
| Cytogenetics:             | 5q31.2   |
| MW:                       | 94.6 kDa   |



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**Gene Summary:**

This gene encodes a nuclear matrix protein, which is proposed to stabilize certain messenger RNA species. Mutations of this gene are associated with distal myopathy 2, which often includes vocal cord and pharyngeal weakness. Alternatively spliced transcript variants, including read-through transcripts composed of the upstream small nucleolar RNA host gene 4 (non-protein coding) and matrin 3 gene sequence, have been identified. Pseudogenes of this gene are located on chromosomes 1 and X. [provided by RefSeq, Aug 2013]