

## Product datasheet for **MR225285L1V**

### Adam12 (NM\_007400) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Adam12 (NM_007400) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Adam12   |
| Synonyms:                 | ADAM; MI; Mltna  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_007400  |
| ORF Size:                 | 2709 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR225285).   |
| 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_007400.2</a> , <a href="#">NP_031426.2</a>  |
| RefSeq Size:              | 7675 bp  |
| RefSeq ORF:               | 2712 bp  |
| Locus ID:                 | 11489  |
| UniProt ID:               | <a href="#">Q61824</a>   |
| Cytogenetics:             | 7 F3   |



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**Gene Summary:**

This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein that localizes to the cell surface. About a third of the mice lacking the encoded protein die before weaning. Overexpression of the encoded protein in a mouse model of Duchenne muscular dystrophy alleviates the muscle pathology by preventing cell necrosis and inflammation. [provided by RefSeq, May 2016]