

## Product datasheet for **RC206662L3V**

### **MUC7 (NM\_152291) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | MUC7 (NM_152291) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | MUC7   |
| Synonyms:                 | MG2  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_152291  |
| ORF Size:                 | 1131 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC206662).   |
| 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_152291.1</a> , <a href="#">NP_689504.1</a>  |
| RefSeq Size:              | 2365 bp  |
| RefSeq ORF:               | 1134 bp  |
| Locus ID:                 | 4589   |
| UniProt ID:               | <a href="#">Q8TAX7</a>   |
| Cytogenetics:             | 4q13.3   |
| Protein Families:         | Secreted Protein   |
| MW:                       | 36.8 kDa   |



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**Gene Summary:**

This gene encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene. [provided by RefSeq, Oct 2014]