

## Product datasheet for **RC206662L4V**

### **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-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
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]