

## Product datasheet for **RC222229L4V**

### **MUC4 (NM\_138297) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	MUC4 (NM_138297) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MUC4
Synonyms:	ASGP; HSA276359; MUC-4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_138297
ORF Size:	3375 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222229).
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_138297.4</a>
RefSeq Size:	3958 bp
RefSeq ORF:	3378 bp
Locus ID:	4585
UniProt ID:	<a href="#">Q99102</a>
Cytogenetics:	3q29
Protein Families:	Druggable Genome, Transmembrane
MW:	125.1 kDa



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**Gene Summary:**

The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (>100) of 48 nt tandem repeats. [provided by RefSeq, Jul 2008]