

## Product datasheet for **RC219615L1V**

### **A2ML1 (NM\_144670) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	A2ML1 (NM_144670) Human Tagged ORF Clone Lentiviral Particle
Symbol:	A2ML1
Synonyms:	CPAMD9; OMS; p170
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_144670
ORF Size:	4362 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219615).
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_144670.2</a> , <a href="#">NP_653271.2</a>
RefSeq Size:	5123 bp
RefSeq ORF:	4365 bp
Locus ID:	144568
Cytogenetics:	12p13.31
MW:	161 kDa


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**Gene Summary:**

This gene encodes a member of the alpha-macroglobulin superfamily. The encoded protein is thought to be an N-glycosylated monomeric protein that acts as an inhibitor of several proteases. It has been shown to form covalent interactions with proteases, and has been reported as the p170 antigen recognized by autoantibodies in the autoimmune disease paraneoplastic pemphigus (PNP; PMID:20805888). Mutations in these gene have also been associated with some cases of Noonan syndrome (NS; PMID:24939586) as well as some cases of otitis media (PMID:26121085). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]