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Product datasheet for MR212004L4V

A2m (NM_175628) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	A2m (NM_175628) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	A2m
Synonyms:	A2mp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175628
ORF Size:	4422 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR212004).`
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. More info
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:	NM_175628.3, NP_783327.2
RefSeq Size:	4687 bp
RefSeq ORF:	4425 bp
Locus ID:	232345
UniProt ID:	Q6GQT1
Cytogenetics:	6 57.49 cM

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Gene Summary: Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase (By similarity). [UniProtKB/Swiss-Prot Function]