

Product datasheet for **MR207594L3V**

Cap1 (NM_007598) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cap1 (NM_007598) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cap1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007598
ORF Size:	1425 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207594).
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_007598.3
RefSeq Size:	2749 bp
RefSeq ORF:	1425 bp
Locus ID:	12331
UniProt ID:	P40124
Cytogenetics:	4 D2.2



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Gene Summary:

The product of this gene plays a role in regulating actin dynamics by binding actin monomers and promoting the turnover of actin filaments. Reduced expression of this gene causes a reduction in actin filament turnover rates, causing multiple defects, including an increase in cell size, stress-fiber alterations, and defects in endocytosis and cell motility. A pseudogene of this gene is found on chromosome 14. Alternative splicing results in multiple transcript variants, but does not affect the protein. [provided by RefSeq, Jul 2014]