

## Product datasheet for **MR224604L3V**

### **Smg7 (NM\_001160257) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Smg7 (NM_001160257) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Smg7
Synonyms:	9430023P16Rik; mKIAA0250
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001160257
ORF Size:	3438 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224604).
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_001160257.1</a>
RefSeq Size:	5857 bp
RefSeq ORF:	3441 bp
Locus ID:	226517
UniProt ID:	<a href="#">Q5RJH6</a>
Cytogenetics:	1 G3



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**Gene Summary:**

Plays a role in nonsense-mediated mRNA decay. Recruits UPF1 to cytoplasmic mRNA decay bodies. Together with SMG5 is thought to provide a link to the mRNA degradation machinery involving exonucleolytic pathways, and to serve as an adapter for UPF1 to protein phosphatase 2A (PP2A), thereby triggering UPF1 dephosphorylation (By similarity). [UniProtKB/Swiss-Prot Function]