

Product datasheet for **MR211977L3V**

Smg6 (NM_001002764) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Smg6 (NM_001002764) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Smg6
Synonyms:	AI317223; AU041178
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001002764
ORF Size:	4254 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211977).
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_001002764.1
RefSeq Size:	5817 bp
RefSeq ORF:	4257 bp
Locus ID:	103677
UniProt ID:	P61406
Cytogenetics:	11 B5



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Gene Summary:

Component of the telomerase ribonucleoprotein (RNP) complex that is essential for the replication of chromosome termini. May have a general role in telomere regulation. Promotes in vitro the ability of TERT to elongate telomeres. Overexpression induces telomere uncapping, chromosomal end-to-end fusions (telomeric DNA persists at the fusion points) and did not perturb TRF2 telomeric localization. Binds to the single-stranded 5'-(GTGTGG)(4)GTGT-3' telomeric DNA, but not to a telomerase RNA template component (TER). [UniProtKB/Swiss-Prot Function]