

Product datasheet for **MR217972L4V**

Shprh (NM_172937) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Shprh (NM_172937) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Shprh
Synonyms:	2610103K11Rik; AA450458; AU024614; BC006883; D230017O13Rik; E130018M05
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172937
ORF Size:	4848 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217972).
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_172937.3 , NP_766525.3
RefSeq Size:	7385 bp
RefSeq ORF:	4851 bp
Locus ID:	268281
UniProt ID:	Q7TPQ3
Cytogenetics:	10 A1



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Gene Summary:

E3 ubiquitin-protein ligase involved in DNA repair. Upon genotoxic stress, accepts ubiquitin from the UBE2N-UBE2V2 E2 complex and transfers it to 'Lys-164' of PCNA which had been monoubiquitinated by UBE2A/B-RAD18, promoting the formation of non-canonical poly-ubiquitin chains linked through 'Lys-63'. [UniProtKB/Swiss-Prot Function]