

Product datasheet for **RR213187L4V**

Hsph1 (NM_001011901) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hsph1 (NM_001011901) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Hsph1
Synonyms:	Hsp105
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001011901
ORF Size:	2574 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR213187).
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_001011901.1 , NP_001011901.1
RefSeq Size:	3453 bp
RefSeq ORF:	2577 bp
Locus ID:	288444
UniProt ID:	Q66HA8
Cytogenetics:	12p11



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Gene Summary:

Acts as a nucleotide-exchange factor (NEF) for chaperone proteins HSPA1A and HSPA1B, promoting the release of ADP from HSPA1A/B thereby triggering substrate release. Prevents the aggregation of denatured proteins in cells under severe stress, on which the ATP levels decrease markedly. Inhibits HSPA8/HSC70 ATPase and chaperone activities.[UniProtKB/Swiss-Prot Function]