

## Product datasheet for **MR222136L3V**

### Hsph1 (NM\_013559) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Hsph1 (NM_013559) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hsph1
Synonyms:	105kDa; AI790491; hsp-E7I; Hsp105; Hsp110; hsp110/105
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_013559
ORF Size:	2577 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222136).
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
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_013559.2</a> , <a href="#">NP_038587.2</a>
RefSeq Size:	3478 bp
RefSeq ORF:	2577 bp



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**Locus ID:** 15505

**UniProt ID:** [Q61699](#)

**Cytogenetics:** 5 89.18 cM

**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 client/substrate protein release (By similarity). 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 (PubMed:14644449, PubMed:15292236).[UniProtKB/Swiss-Prot Function]