

## Product datasheet for **RR202209L3V**

### **Esrp1 (NM\_001127564) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Esrp1 (NM_001127564) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Esrp1
Synonyms:	RGD1560481
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001127564
ORF Size:	1977 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR202209).
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_001127564.2</a> , <a href="#">NP_001121036.2</a>
RefSeq Size:	2674 bp
RefSeq ORF:	1980 bp
Locus ID:	500409
UniProt ID:	<a href="#">B2RYD2</a>
Cytogenetics:	5q13



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**Gene Summary:**

mRNA splicing factor that regulates the formation of epithelial cell-specific isoforms. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Acts by directly binding specific sequences in mRNAs. Binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2 (By similarity). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (By similarity).[UniProtKB/Swiss-Prot Function]