

## Product datasheet for **RC205679L3V**

### SPR (NM\_003124) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SPR (NM_003124) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SPR
Synonyms:	SDR38C1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003124
ORF Size:	783 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205679).
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_003124.3</a>
RefSeq Size:	1466 bp
RefSeq ORF:	786 bp
Locus ID:	6697
UniProt ID:	<a href="#">P35270</a>
Cytogenetics:	2p13.2
Domains:	adh_short
Protein Families:	Druggable Genome



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**Protein Pathways:** Folate biosynthesis, Metabolic pathways

**MW:** 28 kDa

**Gene Summary:** This gene encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH<sub>4</sub>). Mutations in this gene result in DOPA-responsive dystonia due to sepiaterin reductase deficiency. A pseudogene has been identified on chromosome 1. [provided by RefSeq, Jul 2008]