

Product datasheet for **MR221231L4V**

Spry3 (NM_001030293) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Spry3 (NM_001030293) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Spry3
Synonyms:	Gm391; Gm1409; sprouty3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001030293
ORF Size:	864 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221231).
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_001030293.2 , NP_001025464.1
RefSeq Size:	4542 bp
RefSeq ORF:	867 bp
Locus ID:	236576
UniProt ID:	Q3UUD2
Cytogenetics:	X



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Gene Summary:

Inhibits neurite branching, arbor length and neurite complexity (PubMed:26089202). Inhibits EGF-mediated p42/44 ERK signaling (PubMed:16877379). Negatively regulates the MAPK cascade, resulting in a reduction of extracellular matrix protein accumulation (By similarity). May function as an antagonist of fibroblast growth factor (FGF) pathways and may negatively modulate respiratory organogenesis (By similarity).[UniProtKB/Swiss-Prot Function]