

Product datasheet for **RR213368L3V**

Gdf1 (NM_001044240) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gdf1 (NM_001044240) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Gdf1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001044240
ORF Size:	1071 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR213368).
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_001044240.2 , NP_001037705.1
RefSeq Size:	2683 bp
RefSeq ORF:	1074 bp
Locus ID:	306351
Cytogenetics:	16p14



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Gene Summary:

This gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site that is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. The mouse ortholog of this gene is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. This protein is transcribed from a bicistronic mRNA that also encodes the LAG1 homolog, ceramide synthase 1 gene. Mono-cistronic transcripts for this gene are also found in mouse, but it is not known if they exist in rat. [provided by RefSeq, Jul 2009]