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Product datasheet for RC214424L3V

GDF1 (NM_001492) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GDF1 (NM_001492) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GDF1
Synonyms:	CERS1; CHTD6; DORV; DTGA3; LAG1; LASS1; RAI; UOG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001492
ORF Size:	1116 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC214424).`
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_001492.3, NP_001483.2
RefSeq Size:	2565 bp
RefSeq ORF:	1119 bp
Locus ID:	2657
UniProt ID:	P27539
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome, Secreted Protein
MW:	39.3 kDa

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Gene Summary: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. Studies in rodents suggest that this protein is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. The encoded protein is translated from a bicistronic mRNA that also encodes ceramide synthase 1. Mutations in this gene are associated with several congenital cardiovascular malformations. [provided by RefSeq, Jul 2016]