

## Product datasheet for **RC220793L4V**

### Chordin (CHRD) (NM\_003741) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Chordin (CHRD) (NM_003741) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Chordin
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003741
ORF Size:	2865 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220793).
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_003741.2</a>
RefSeq Size:	3547 bp
RefSeq ORF:	2868 bp
Locus ID:	8646
UniProt ID:	<a href="#">Q9H2X0</a>
Cytogenetics:	3q27.1
Protein Families:	Secreted Protein
Protein Pathways:	TGF-beta signaling pathway
MW:	102 kDa



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**Gene Summary:**

This gene encodes a secreted protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. The encoded protein may also have roles in organogenesis and during adulthood. It has been suggested that this gene could be a candidate gene for Cornelia de Lange syndrome. Reduced expression of this gene results in enhanced bone regeneration. Alternative splicing results in multiple transcript variants. Other alternative splice variants have been described but their full length sequence has not been determined. [provided by RefSeq, Jan 2015]