

Product datasheet for **MR211772L3V**

Cilp (NM_173385) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cilp (NM_173385) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cilp
Synonyms:	9830114D16; C130036G17Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_173385
ORF Size:	3552 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211772).
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_173385.2
RefSeq Size:	4153 bp
RefSeq ORF:	3753 bp
Locus ID:	214425
UniProt ID:	Q66K08
Cytogenetics:	9 C



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Gene Summary:

Probably plays a role in cartilage scaffolding. May act by antagonizing TGF-beta1 (TGFB1) and IGF1 functions. Has the ability to suppress IGF1-induced proliferation and sulfated proteoglycan synthesis, and inhibits ligand-induced IGF1R autophosphorylation. May inhibit TGFB1-mediated induction of cartilage matrix genes via its interaction with TGFB1. Overexpression may lead to impair chondrocyte growth and matrix repair and indirectly promote inorganic pyrophosphate (PPi) supersaturation in aging and osteoarthritis cartilage (By similarity).[UniProtKB/Swiss-Prot Function]