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Product datasheet for RC207801L4V

CILP (NM_003613) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CILP (NM_003613) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CILP
Synonyms:	CILP-1; HsT18872
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003613
ORF Size:	3552 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207801).
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_003613.2
RefSeq Size:	4484 bp
RefSeq ORF:	3555 bp
Locus ID:	8483
UniProt ID:	O75339
Cytogenetics:	15q22.31
Domains:	tsp_1, ig, IGc2, IG
Protein Families:	Druggable Genome, Phosphatase, Secreted Protein

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MW: 132.6 kDa

Gene Summary: Major alterations in the composition of the cartilage extracellular matrix occur in joint disease, such as osteoarthrosis. This gene encodes the cartilage intermediate layer protein (CILP), which increases in early osteoarthrosis cartilage. The encoded protein was thought to encode a protein precursor for two different proteins; an N-terminal CILP and a C-terminal homolog of NTPPHase, however, later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. The full-length and the N-terminal domain of this protein was shown to function as an IGF-1 antagonist. An allelic variant of this gene has been associated with lumbar disc disease. [provided by RefSeq, Sep 2010]