

Product datasheet for MR211772

Cilp (NM_173385) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cilp (NM_173385) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cilp
Synonyms:	9830114D16; C130036G17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211772 representing NM_173385 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >MR211772 representing NM_173385
 Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mm9006_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

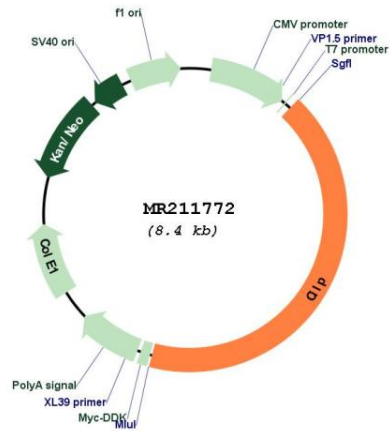


ACCN: NM_173385

ORF Size: 3552 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq Size:	4153 bp
RefSeq ORF:	3753 bp
Locus ID:	214425
UniProt ID:	Q66K08
Cytogenetics:	9 C
MW:	140.2 kDa
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]

Product images:



Circular map for MR211772