

## Product datasheet for MR205436

### Hapln1 (NM\_013500) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hapln1 (NM_013500) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hapln1
Synonyms:	BB099155; CLP; Crtl1; Crtl1l; LP; LP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205436 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGAAGTCTGCTTCTCCTGGTCTGATTTTCAGTCTGTTGGGCTGACCACCACCTTTCAGACAGCTACA  
CTCCTCCAGATCAAGACAGAGTTATTCACATCCATGCAGAAAATGGCCCCGCTACTTGTGGAAGCAGA  
ACAAGCCAAGGTCTTCTCTCACCAGGTGGCAACGTGACACTGCCATGCAAATTTATCGAGACCCTACA  
GCATTTGGCTCAGGAATCCAAAAATCCGCATCAAGTGGACCAAGCTAACTTCAGATTACCTCAGGAAG  
TAGATGTCTTCGTTTCCATGGGCTATCACAAGAAGACCTATGGAGGCTATCAAGGTCGAGTGTCTGAA  
GGGAGGCAGTGATAATGATGCCTCCCTGGTCATCACGGATCTTACCCTGGAGGATTATGGGAGATATAAA  
TGTGAGGTGATTGAAGGGCTAGAAGATGATACTGCTGTGGTGGCATTGGAGTTACAAGGTGTGGTGTTC  
CTTACTTTCCACGACTGGGACGCTACAATCTTAACTTTACGAGGCACGCCAGGCTTGTCTGGACCAGGA  
CGCAGTGATTGCTTCTTTGACCAGCTGTACGATGCCTGGCGGGTGGGCTGGACTGGTGAATGCTGGC  
TGGCTCAGTGATGGATCTGTGCACTACCCAATCACAAACCACGAGACCCCTGCCGGGGCCAAAACCGG  
TGCCTGGAGTCAGGAATACGGGTTTTGGGACAAGGATAAAAGCAGATATGACGTTTTCTGTTTTACATC  
CAACTTCAACGGCCGATTTTACTACCTGATCCACCCACCAAACCTCACCTACGATGAGGCGGTGCAAGCT  
TGTCTCAATGACGGTGCTCAGATCGCGAAAGTGGCCAGATATTGCTGCCTGGAAGCTTCTGGGCTATG  
ACCGCTGCGATGCCGGCTGGCTAGCGGATGGCAGCGTCCGCTATCTATTCTCGACCAAGAAGGCGCTG  
CAGTCCGACTGAGGCTGCAGTGCCTTTGTAGTTTTCCAGATAAAAAGCATAAGCTATACGGGTCTAT  
TGCTTCAGAGCATAACAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205436 protein sequence  
 Red=Cloning site Green=Tags(s)

MRSLLLLVLISVCWADHHLSDSYTPPDQDRVIHIHAENGRLLVEAEQAKVFSHRGGNVTLPCKFYRDPT  
 AFGSGIHKIRIKWTKLTS DYLRVDV FVSMGYHKKTYGGYQGRVFLKGGSDNDASLVITDLTLEDYGRYK  
 CEVIEGLEDDTAVVALELQGVVFPYFPRLLGRYNLNFHEARQAQLDQDAVIASFQLYDAWRGGLDWCNAG  
 WLSDGSVQYPITKPREPCGGQNTVPGVRNYGFWDKDKSRVDVFCFTSNFNGRFYYLIHPTKLTIDEAVQA  
 CLNDGAQIAKVGQIFA AWKLLGYDRCDAGWLADGSRVYPI SRPRRRCSPTEAAVRFVGFDPKHKHLYGVY  
 CFRAYN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013500

**ORF Size:** 1071 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:**

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:** [NM\\_013500.3](#), [NP\\_038528.2](#)

**RefSeq Size:** 5055 bp

**RefSeq ORF:** 1071 bp

**Locus ID:** 12950

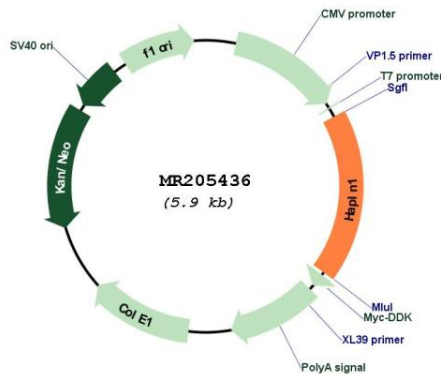
**UniProt ID:** [Q9QUP5](#)

**Cytogenetics:** 13 45.5 cM

**MW:** 40.5 kDa

**Gene Summary:** Stabilizes the aggregates of proteoglycan monomers with hyaluronic acid in the extracellular cartilage matrix.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205436