

Product datasheet for **RG209274**

HAPLN1 (NM_001884) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAPLN1 (NM_001884) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAPLN1
Synonyms:	CRT1; CRTL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209274 representing NM_001884 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGAGTCTACTTCTTCTGGTCTGATTTCAATCTGCTGGGCTGATCATCTTTCAGACAACACTATACTC
TGGATCATGACAGAGCTATTCACATCCAAGCAGAAAATGGCCCCATCTACTTGTGGAAGCAGAGCAAGC
CAAGGTGTTTTACACAGAGGTGGCAATGTTACACTGCCATGTAATTTTATCGAGACCCTACAGCATT
GGCTCAGGAATCCATAAAATCCGAATTAAGTGGACCAAGCTAACTTCGGATTACCTCAAGGAAGTGGATG
TTTTTGTTCATGGGATACCACAAAAAACCTATGGAGGCTACCAGGTAGAGTGTTCGAAGGGAGG
CAGTGATAGTGATGCTTCTGCTCATCACAGACCTCACTCTGGAAGATTATGGGAGATATAAGTGTGAG
GTGATTGAAGGATTAGAAGATGATACTGTTGTGGTAGCACTGGACTTACAAGGTGTGGTATTCCTTACT
TTCCACGACTGGGGCGCTACAATCTCAATTTTACGAGGCGCAGCAGGCGTGTCTGGACCAGGATGCTGT
GATCGCCTCCTTCGACCAGCTGTACGACGCTGGCGGGCGGGCTGGACTGGTGCATGCCGGCTGGCTC
AGTGATGGCTCTGTGCAATATCCCATCACAAAGCCAGAGAGCCCTGTGGGGCCAGAACACAGTGCCCG
GAGTCAGGAACACGGATTTTGGGATAAAGATAAAAGCAGATATGATGTTTTCTGTTTTACATCCAATTT
CAATGGCCGTTTTACTATCTGATCCACCCACCAAACGACCTATGATGTAGCGGTGCAAGCTTGTCTC
AATGATGGTGTGCTCAGATTGCAAAAGTGGCCAGATATTTGCTGCCTGAAAATTCGGATATGACCGCT
GTGATGCGGGCTGGTTGGCGGATGGCAGCGTCCGCTACCCATCTCTAGGCCAAGAAGGCGCTGCAGTCC
TACTGAGGCTGCAGTGGCTTCGTGGTTTTCCAGATAAAAAGCATAAGCTGTATGGTGTCTACTGCTTC
AGAGCATAACAAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209274 representing NM_001884
 Red=Cloning site Green=Tags(s)

MKSLLLLVLISICWADHLSDNITLDHDRAIHIQAENGPHELLVEAEQAKVFSHRGGNVTLPCKFYRDPTAF
 GSGIHKIRIKWTKLTSDYLKEVDVVFVSMGYHKKTYGGYQGRVFLKGGSDSDASLVITDLTLEDYGRYKCE
 VIEGLEDDTVVVALDLQGVVFPYFPRLLGRYNLNFHEAQQACLDDQDAVIASFDQLYDAWRGGLDWCNAGWL
 SDGSVQYPITKPREPCGGQNTVPGVRNYGFWDKDKSRYDVFCTSNFNFRFYLLIHPKLTLYDVAVQACL
 NDGAQIAKVGQIFAAWKILGYDRCDAGWLADGSSVRYPISRPRRRCSPTEAAVRFVGFDPDKKHKLYGVYCF
 RAYN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001884

ORF Size: 1062 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_001884.2](#), [NP_001875.1](#)

RefSeq Size: 1759 bp

RefSeq ORF: 1065 bp

Locus ID: 1404

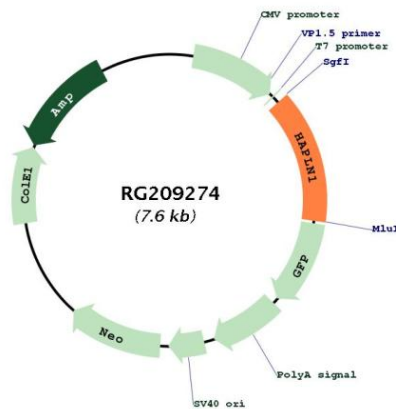
UniProt ID: [P10915](#)

Cytogenetics: 5q14.3

Domains: Xlink, ig, IGv, IG

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 RG209274