

Product datasheet for **RC206440**

HAPLN2 (NM_021817) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAPLN2 (NM_021817) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAPLN2
Synonyms:	BRAL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206440 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAGGCTGGCTCACCTCCCCACACTCTGCCGTTCTTCTTTGGCCTTCACCATCTCCACAAAG
CCCAAGGAGACCCAGCATCCCACCCGGGCCCCACTACCTCCTGCCCCCATCCACGAGGTCATTCACTC
TCATCGTGGGGCCACGGCCACGCTGCCCTGCGTCCTGGGCACCACGCCTCCAGCTACAAGGTGCGCTGG
AGCAAGGTGGAGCCTGGGAGCTCCGGGAAACGCTGATCCTCATACCAACGGACTGCACGCCCGGGGT
ATGGGCCCTGGGAGGGCGGCCAGGATGCGGAGGGGCATCGACTAGACGCCTCCTGGTCATCGCGGG
CGTGCGCCTGGAGGACGAGGGCCGGTACCGCTGCGAGCTCATCAACGGCATCGAGGACGAGAGCGTGGCG
CTGACCTTGAGCTTGAGGGTGTGGTGTTCCTACCAACCCAGCCGGGGCCGGTACCAAGTTCAATTACT
ACGAGGGCAAGCAGGCGTGCGAGGAGCAGGACGGACGCCTGGCCACCTACTCCCAGCTCTACCAGGCTTG
GACCGAGGGTCTGGACTGGTGTAAACGCGGGCTGGCTGCTCGAGGGCTCCGTGCGCTACCCTGTGCTCACC
GCACGCGCCCCGTGCGGGCGCCGAGGCCGGCCGGGATCCGCAGCTACGGACCCCGCAGCCGGATGCGCG
ACCGCTACGACGCCTTCTGCTTACCTCCGCGCTGGCGGGCAAGTGTCTTCTGTCGCCGGGGCGGCTGAC
GCTGTCTGAAGCCACGCGGCGTGCCGGCAGCGGCGCCGTGGTGCCAAAGTTGGGCACCTCTACGCC
GCCTGGAAGTTTTCGGGGCTAGACCAGTGCAGCGGGCTGGTGGCTGACGGCAGTGTGCGCTTCCCAA
TCACCACCCGAGGCCGCTGCGGGGGCTCCCGGATCCCGAGTGCGCAGTTTCGGCTTCCCCAGGCC
CCAACAGGCAGCCTATGGGACCTACTGCTACGCCGAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206440 protein sequence
Red=Cloning site Green=Tags(s)

MPGWLTLPTLCRFLWAFITFHKAQGDPAHPGPHYLLPPIHEVIHSHRGATATLPCVLGTTTPSYKVRW
 SKVEPGEELRETLILITNGLHARGYGPLGGRARMRRGHRLDASLVIAGVRLDEGRYRCELINGIEDESVA
 LTL SLEGVVFPYQPSRGRYQFNYYEAKQACEEQDGRLATYSQLYQAWTEGLDWCNAGWLLGEGSVRYPVLT
 ARAPCGGRGRPGIRSYGPRDRMRDRYDAFCFTSALAGQVFFVPGRLTLSEAHAAACRRRGAVVAKVGHLYA
 AWKF SGLDQCDGGWLDGVSFRFPITTPRRCGGLPDPGVRSFGFPRPQQAAAYGTICYAEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6332_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021817

ORF Size: 1020 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_021817.3](#)

RefSeq Size: 1795 bp

RefSeq ORF: 1023 bp

Locus ID: 60484

UniProt ID: [Q9GZV7](#)

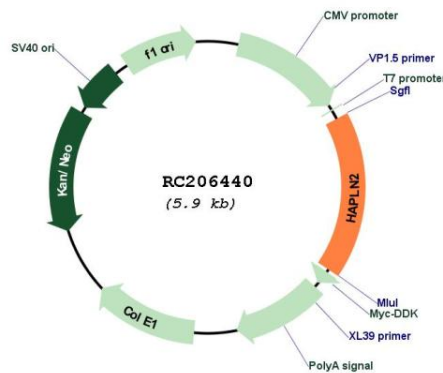
Cytogenetics: 1q23.1

Protein Families: Secreted Protein

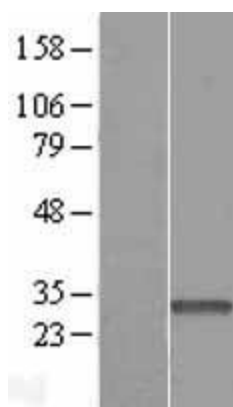
MW: 37.8 kDa

Gene Summary: Mediates a firm binding of versican V2 to hyaluronic acid. May play a pivotal role in the formation of the hyaluronan-associated matrix in the central nervous system (CNS) which facilitates neuronal conduction and general structural stabilization. Binds to hyaluronic acid (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206440



Western blot validation of overexpression lysate (Cat# [LY411903]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206440 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).