

Product datasheet for SC317571

HuC (ELAVL3) (NM_032281) Human Untagged Clone

Product data:

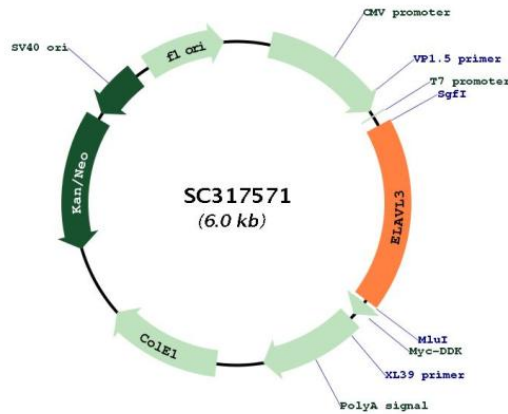
Product Type:	Expression Plasmids
Product Name:	HuC (ELAVL3) (NM_032281) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELAVL3
Synonyms:	HUC; HUCL; PLE21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317571 representing NM_032281. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGTCACTCAGATACTGGGGCCATGGAGTCTCAGGTGGGGGGGGCCCGGCCGGCCCGCCCTGCC
AACGGGCCACTCCTTGGTACAAATGGAGCCACTGACGACAGCAAGACCAACCTCATCGTCAACTACCTG
CCCCAGAACATGACCCAGGATGAGTTCAAGAGTCTCTTCGGCAGCATTGGCGACATCGAGTCTGCAAG
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AAAGAGATGGAGCAGCTCTTCTCCAGTACGGCCGCATCATCACGTCCCGCATCTGGTGGACCAGGTC
ACAGGTGTCTCTCGGGGTGTGGGATTCATCCGCTTTGACAAGAGGATTGAGGCCGAAGAGGCTATCAAA
GGACTGAATGGGCAGAAGCCGCTGGGCGCAGCTGAGCCCATCACAGTCAAGTTCGCGAACAACCCAGT
CAGAAGACGGGGCAGGCGCTGCTCACCCACCTCTACCAGTTCATCCGCCGGCGCTACGCAGGCCCCCTA
CACCATCAGACCCAGCGTTTCCGGCTGGACAATTTGCTCAACATGGCCTACGGCGTCAAGAGGTTCTCG
CCGATCGCCATCGATGGTATGAGCGGCCCTGGCGGGCGTGGCCCTGTCGGGGGGCGCGGGCGCCGGC
TGGTGCATCTTCGTGTACAACCTGTACCGGAGGCAGACGAGAGCGTGTGTGGCAGTGTTCGGGCCT
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CGCGTGTGCAGGTCTCCTTCAAGACCAGCAAACAGCACAAAGGCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_032281

Insert Size: 1083 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_032281.2](#)

RefSeq Size: 4661 bp

RefSeq ORF: 1083 bp

Locus ID: 1995

UniProt ID: [Q14576](#)

Cytogenetics: 19p13.2

MW: 38.9 kDa

Gene Summary: A member of the ELAVL protein family, ELAV-like 3 is a neural-specific RNA-binding protein which contains three RNP-type RNA recognition motifs. The observation that ELAVL3 is one of several Hu antigens (neuronal-specific RNA-binding proteins) recognized by the anti-Hu serum antibody present in sera from patients with paraneoplastic encephalomyelitis and sensory neuronopathy (PEM/PSN) suggests it has a role in neurogenesis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an in-frame segment in the coding region, as compared to variant 1. It encodes isoform 2 which lacks an internal segment, as compared to isoform 1.