

## Product datasheet for **SC303015**

### HuC (ELAVL3) (NM\_001420) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HuC (ELAVL3) (NM_001420) Human Untagged Clone
Tag:	Tag Free
Symbol:	HuC
Synonyms:	HUC; HUCL; PLE21
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001420 edited  
AACACACGGGACCGGACAGGACCGACCGAGGGGCGGCGGCGAAAGGCAGAGCGCCGCGAT  
CTCTGTGCGGAAGCGCAACCTCCCCGGGCCCGCGGGGCGCGCAGGGGGCGTCTCAAC  
CCCGCGCCCGCTCCCTCTTTCCATCCCCTGCCGCCCGCAGGCCACCCCGGGGCCGGCCA  
TCCGCGCGCGCATCCCCGGGTTCCGGGCCGTCCCTGGCCCTCGAGGGAGCCGCCGCTTC  
ATGCCACATCTGCAGCGCCGCACCAGAGGCCCGGGCGGGACCCACGCGTGAGCAT  
CGGGGCCCCCCCTAGGAGTGCACCACCCCGGAGCCCCCTCAACACGGACCGCGCCCGC  
CGGGCACACAAGAATGGTCACTCAGATACTGGGGCCATGGAGTCTCAGGTGGGGGGGG  
CCCGGCCGGCCCGCCCTGCCAACGGGCCACTCCTTGGTACAAATGGAGCCACTGACGA  
CAGCAAGACCAACCTCATCGTCAACTACCTGCCCCAGAACATGACCCAGGATGAGTTCAA  
GAGTCTTTCCGACGATTGGCGACATCGAGTCTGCAAGTTGGTTGGGACAAGATCAC  
AGGGCAGAGCCTTGGCTACGGGTTTGTGAATATTCTGACCCCAATGATGCAGACAAAGC  
CATCAACACCCTCAACGGCCTCAAATTACAGACGAAGACCATCAAGGTGTCTATGCCAG  
ACCCAGTTCAGCATCCATCCGGGATGCTAACCTGTACGTCAGCGGGCTCCCAAGACCAT  
GAGCCAGAAAGAGATGGAGCAGCTTTCTCCAGTACGGCCGCATCATCAGTCCCGCAT  
CCTGGTGGACCAGGTACAGGTGTCTCTCGGGGTGGGATTATCCGCTTTGACAAGAG  
GATTGAGGCCGAAGAGGCTATCAAAGGACTGAATGGGCAGAAGCCGCTGGGCGCAGCTGA  
GCCCATCACAGTCAAGTTCGCGAACAACCAAGTCAGAAGACGGGGCAGGCGCTGCTCAC  
CCACCTTACCAGTATCCGCCCGGCGCTACGCAGGCCCCCTACACCATCAGACCCAGCG  
TTTCCGGCTGGACAATTTGCTCAACATGGCCTACGGCGTCAAGAGTCCCTGTGCTCAT  
CGCCAGTTCTCGCCGATCGCCATCGATGGTATGAGCGGCCTGGCGGGCGTGGCCTGTC  
GGGGGGCGCGGGCGGGCGCGGCTGGTGCATCTTCGTGTACAACCTGTACCGGAGGCAGA  
CGAGACCGTGTGTGGCAGCTGTTCCGGCCTTTTGGGGCAGTACCAACGTCAAGTGCAT  
CCGTGATTTACCAACCAACAAGTCAAGGGTTTTCGGCTTCGTGACCATGACCAACTATGA  
CGAGGCGGCCATGGCCATCGCCAGCCTGAACGGCTATCGCCTGGGCGAGCGCGTGTGCA  
GGTCTCCTTAAAGACCAGCAAACAGCACAAAGGCGTGAGCCACCCCGCCTGCCCTCCAC  
CCCCAAGACTGGGAGGGGACTTCTTTTTCTAAACACAAAACCTCAGCCCAGCCAGGCCCC  
CTCCCTGGAGGCCAGCCCTCCCCGCAGGGAGCCCTCGCACCGCTCCCCACCCACTCAG  
CGGCCCATCGGAAGTGAAGTGAACAAACCCCGACTTAGCTATAGTTAAGTTGCCTT  
CCCCCGGTGTCCACAGTTTGGTGTCTGGCTATGGCGCCCCATCTGACTGTCCAGTCT  
CTCTCCCCACCCCTCCCGGTGTTGTTATTAACGTCTGTGGAGTTCTGCTGCAAGGAA  
CAAAAAAGAAAAAATCAAAAAAGCGACAAAAAACACAAACAGAAAGAGGAAAAAAAAGC  
AACAAAAAAGAAAAACACACAGAAGAGATTTAAAAAAAACAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_001420
- Insert Size:** 1900 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\\_001420.3](#), [NP\\_001411.2](#)

**RefSeq Size:** 4682 bp

**RefSeq ORF:** 1104 bp

**Locus ID:** 1995

**UniProt ID:** [Q14576](#)

**Cytogenetics:** 19p13.2

**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 (1) encodes the longer isoform (1).