

Product datasheet for **SC105836**

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:	HuC
Synonyms:	HUC; HUCL; PLE21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032281, the custom clone sequence may differ by one or more nucleotides

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ATGGTCACTCAGATACTGGGGCCATGGAGTCTCAGGTGGGGGGGGCCCGCCGGCCCGCCCTGCCCA
ACGGGCCACTCCTTGGTACAAATGGAGCCACTGACGACAGCAAGACCAACCTCATCGTCAACTACCTGCC
CCAGAACATGACCCAGGATGAGTTCAAGAGTCTCTTCGGCAGCATTGGCGACATCGAGTCTGCAAGTTG
GTTTCGGGACAAGATCACAGGGCAGAGCCTTGGCTACGGGTTTGTGAACTATTCTGACCCCAATGATGCAG
ACAAAGCCATCAACACCCTCAACGGCCTCAAATTACAGACGAAGACCATCAAGGTGTCCTATGCCAGACC
CAGTTCAGCATCCATCCGGGATGCTAACCTGTACGTACGCGGGCTCCCAAGACCATGAGCCAGAAAAGAG
ATGGAGCAGCTCTTCTCCAGTACGGCCGCATCATCACGTCCCGCATCCTGGTGGACCAGGTACAGGTG
TCTCTCGGGGTGTGGGATTCATCCGCTTTGACAAGAGGATTGAGGCCGAAGAGGCTATCAAAGGACTGAA
TGGGCAGAAGCCGCTGGGCGCAGCTGAGCCCATCACAGTCAAGTTCGCGAACAACCCAAGTCAGAAGACG
GGGCAGGCGCTGCTACCCACCTCTACCAGTACATCCGCCCGCGCTACGAGGCCCCCTACACCATCAGA
CCCAGCGTTTCCGGCTGGACAATTTGCTCAACATGGCCTACGGCGTCAAGAGGTTCTCGCCGATCGCCAT
CGATGGTATGAGCGGCCCTGGCGGGCGTGGGCTGTTCGGGGGGCGCGGGCGCCGGCTGGTGCATCTTC
GTGTACAACCTGTACCCGAGGCAGACGAGAGCGTGTGTGGCAGCTGTTTCGGGCTTTTGGGCGAGTCA
CCAACGTCAAGGTATCCGTGATTTACCACCAACAAGTGAAGGTTTCGGCTTCGTGACCATGACCAA
CTATGACGAGGCGCCATGGCCATCGCCAGCCTGAACGGCTATCGCCTGGGCGAGCGCGTGTGCAGGTC
TCCTTCAAGACCAGCAAACAGCACAAGGCGTGA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032281 unedited GCACGAGGGGGAAAAAGACCTCGTGGAGAATTTTTACTGGGGATTCTTGAACCTGAAAAA AAAAAACACAAAAAAGACAAAAAAGAAATATTTTGGCAGGTTATGTTTACCAA CTGGGGCGGGGTGGGGGGGCCAGGGAGCAGGGCTTAGGGCTAGCAGCCACGGGGC CACACAGAGAAACAACCACGCAGACAGTCACACCACGGGGACACCGGACAGACGCAGAC GGACACAGCGACATGCCCCAGACACGTTAAGGGACTGGTTGCCAAACTCAGACACGTGG ACAGGGATAGACAGAAAGAGACAGAAGCTGGGGCTACGTCCATGTGGACACAGACCACAG ATGTGGGCACACGAATCCATCCACCTGTCCACGTGCACACGTGAATGTAGCGATAGATAT TTGGACATCAAATTTGGACACCAGGTCACGGAGAAACACAAACACCACCCAGGAACACGC AGACATATGCCCCATAGCATCCCACAGGCCAGGCAGGAGGTTCCACCCAGACCTGCC CAGACGCTCCCTCACCCTCTCGGCCCTCGCCCTGGCCCCAGGTTCTCTGCAGAGATC TCTCTGGACCCACGGTCTCCTTGGCGCCACGACACNAGGGCGTGCACACGCAGCG CACATGCATTGAGACACAGTACCTCGTTCACCTTGGCGTCACGGTGGGGCTGGAGGC AGCCCCCCCCACAACACTTGAGGCCAAGGACACCCCTGTCCCGGN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032281 unedited GCGGCCGCAATCTANAGTCGAGTNTNTNTTTTTTTTTTTTTTTTTTTTTTTTTAAAACT CTTCTGGGGTTTTCTTTTTTGGTGCTTTTTTTTCTCTTCTGTTGGGGTTTTTACGC GCTTTTTTGATTTTTTCTTTTTTGTTCCTTGCAGCAAAAGCTCCACAGACGTTAATAA CAACACCGGGAGGGTGGGGGAAAAAGAGCTGGACAGTCAAATGGGGGCGCCATAGCCAG ACACCAAACGTGGGGACACCGGGGAAGGCAACTTAACTATAGCTAAAGTCGGGGTTTT GCAATTCTCAGTCCGATGGGGCCGCTGAGTGGGGTGGGGATCGGTGCAAGGGCTCCAG GGGCTCCGGCCTGTGGCTTCTGTTGGAATTTTTTTTTTTAAAGAAAGAAAAGTGGGCG ATGCAATGTCAAACAGAGCCGGGGCCGGGGCTCGAGATCGGGGGCTGTGTCCACTGC AATCTGGAAAGACGAAAAACCAACAAACCGAAAGGGGATAGGTAGGTGACAAGTGGACG GGAAAGGAGTGTGGGCCTGGGCCTTTGGGCCATCCCCCACCCTGGGCTGGCGGGGA GTGCCGGCGTCTTGCTGCCGGGGAGGCCAGTCTGTTGGGGGAGGCTCAGCGCTTGGCC CTCTCCTAGCTGTGTGGCGCAAGCCCTCGGCCAGGGGAAGGTGACCCCCGGGGACAG GGGTTGCTCTTTGGCCTCCAGTGTGCGCGGGGGGGGCCCATCTATCCTCCCCCACC TCCATACATCTTCTTCTTCTTTTCCCTCCTTCCCCCTCATTCCCTTCCCCCCCCCG TTCCTTCTCTCTCCCCCTCCTCCCTCCTCCACCATGTCATTACTTCCCCCTCGCT TCCACTGTTTTCGNTATCCCTCCTTCTTATCTTCCCCACTCCCTTTCTTCCCGCCG TTTTCTTCTCTTTCCACTTCCCGCTCCATCCCTTCTACTACACCCCTCTTCTTCAT ACCTTCGTCGCCCTCCTGTG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032281
Insert Size:	1500 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).
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_032281.1](#), [NP_115657.1](#)

RefSeq Size: 4661 bp

RefSeq ORF: 705 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 (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.