

Product datasheet for **RG204323**

HuC (ELAVL3) (NM_001420) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HuC (ELAVL3) (NM_001420) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HuC
Synonyms:	HUC; HUCL; PLE21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204323 representing NM_001420 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCACTCAGATACTGGGGCCATGGAGTCTCAGGTGGGGGGGGCCCGGCCGGCCCGCCCTGCCCA
ACGGGCCACTCCTTGGTACAAATGGAGCCACTGACGACAGCAAGACCAACCTCATCGTCAACTACCTGCC
CCAGAACATGACCCAGGATGAGTTCAAGAGTCTTTCGGCAGCATTGGCGACATCGAGTCTGCAAGTTG
GTTCCGGACAAGATCACAGGGCAGAGCCTTGGCTACGGGTTTGTGAATTTCTGACCCCAATGATGCAG
ACAAAGCCATCAACACCCTCAACGGCCTCAAATTACAGACGAAGACCATCAAGGTGTCTATGCCAGACC
CAGTTCAGCATCCATCCGGGATGCTAACCTGTAGTTCAGCGGGCTCCCAAGACCATGAGCCAGAAAGAG
ATGGAGCAGCTCTTCTCCAGTACGGCCGATCATCACGTCCCGCATCCTGGTGGACCAGGTACAGGTG
TCTCTCGGGGTGTGGGATTCATCCGCTTTGACAAGAGGATTGAGGCCGAAGAGGCTATCAAAGGACTGAA
TGGGCAGAAGCCGCTGGGCGCAGCTGAGCCATCACAGTCAAGTTCGCGAACAACCAAGTCAGAAGACG
GGCAGGCGTGTCAACCACCTTACCAGTATCCGCCCGGCGTACGAGGCCCCCTACACCATCAGA
CCCAGCGTTTCCGGCTGGACAATTTGCTCAACATGGCCTACGGCGTCAAGAGTCCCCTGTCGCTCATCGC
CAGGTTCTCGCCGATCGCCATCGATGGTATGAGCGGCCGCGGGCGTGGGCTGTGGGGGGCGCGGCG
GGCCCGGCTGGTGCATTTCTGTGTACAACCTGTACCGGAGGCAGACGAGAGCGTGTGGCAGCTGT
TCGGGCTTTTGGGGCAGTCACCAACGTCAAGGTCAAGTTCATCCGTGATTTACCAACCAAGTCAAGGTTT
CGGCTTCTGTGACCATGACCAACTATGACGAGGGCGCCATGGCCATCGCCAGCCTGAACGGCTATCGCCTG
GGCAGCGCTGTGTCAGGTCTCCTTCAAGACCAGCAAACAGCACAAGGCG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204323 representing NM_001420
 Red=Cloning site Green=Tags(s)

MVTQILGAMESQVGGGPAGPALPNGPLLGTNGATDDSKTNLIVNYLPQNMTQDEFKSLFGSIGDIESCKL
 VRDKITGQSLGYGFVNYSDPNDADKAINTLNGLKLQTKTIKVSYPSSASIRDANLYVSGLPKTM SQKE
 MEQLFSQYGRIITSRILVDQVTGVS RGVGFI RFDKRIEAEAAIKGLNGQKPLGAAEPITVKFANNPSQKT
 GQALLTHLYQSSARRYAGPLHHQTQRFRLDNLLNMAYGVKSPLSLIARFSPIAIDGMSGLAGVLSGGAA
 GAGWCIFVYNLSPEADESVLWQLFGPFGAVTNVKVIRDFTTNKCKGFGFVTMTNYDEAAMAIASLNGYRL
 GERVLQVSFKTSKQHKA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001420

ORF Size: 1101 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_001420.4](#)

RefSeq Size: 4682 bp

RefSeq ORF: 1104 bp

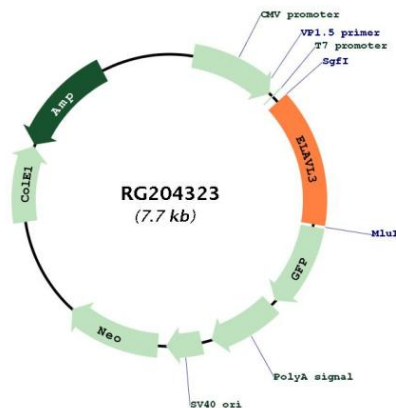
Locus ID: 1995

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]

Product images:



Circular map for RG204323