

Product datasheet for **RG218105**

HuC (ELAVL3) (NM_032281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HuC (ELAVL3) (NM_032281) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ELAVL3
Synonyms:	HUC; HUCL; PLE21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218105 representing NM_032281 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCACTCAGATACTGGGGCCATGGAGTCTCAGGTGGGGGGGGCCCGGCCGCGCCCTGCCCA
ACGGGCCACTCCTTGGTACAAATGGAGCCACTGACGACAGCAAGACCAACCTCATCGTCAACTACCTGCC
CCAGAACATGACCCAGGATGAGTTCAAGAGTCTCTTCGGCAGCATTGGCGACATCGAGTCTGCAAGTTG
GTTCCGGACAAGATCACAGGGCAGAGCCTTGCTACGGGTTTGTGAATATTCTGACCCCAATGATGCAG
ACAAAGCCATCAACACCCTCAACGGCCTCAAATTACAGACGAAGACCATCAAGGTGTCTATGCCAGACC
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TCTCTCGGGTGTGGGATTATCCGCTTTGACAAGAGGATTGAGGCCGAAGAGGCTATCAAAGGACTGAA
TGGGCAGAAGCCGCTGGGCGCAGCTGAGCCATCACAGTCAAGTTCGCGAACAACCAAGTCAGAAGACG
GGCAGGCGCTGCTACCCACCTTACCAGTATCCGCCCGGCGTACGAGGCCCCCTACACCATCAGA
CCCAGCGTTTCCGGCTGGACAATTTGCTCAACATGGCCTACGGCGTCAAGAGGTTCTCGCCGATCGCCAT
CGATGGTATGAGCGGCCGTCGGGGCGTGGCCTGTTCGGGGCGCGCGGGCGCCGGCTGGTGCATCTTC
GTGTACAACCTGTACCCGAGGCAGACGAGAGCGTGTGTCAGCTGTTTCGGCCTTTTGGGGCAGTCA
CCAACGTCAAGGTCATCCGTGATTTACACCACCAAGTGAAGGTTTCGGCTTCGTGACCATGACCAA
CTATGACGAGGCGCCATGGCCATCGCCAGCCTGAACGGCTATCGCCTGGGCGAGCGCGTGTGCAGGTC
TCCTTCAAGACCAGCAAACAGCACAAGGCG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218105 representing NM_032281
Red=Cloning site Green=Tags(s)

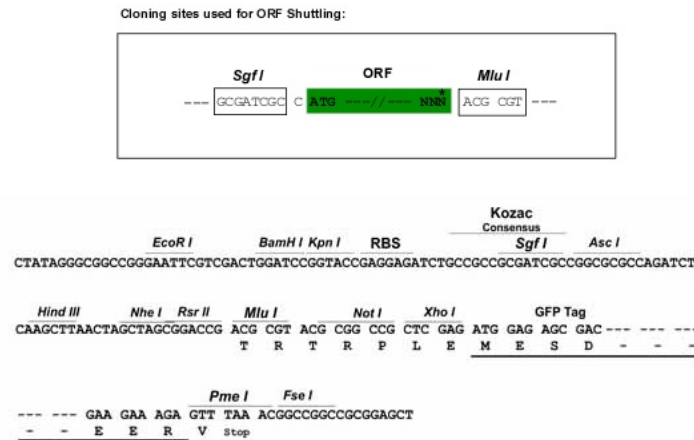
MVTQILGAMESQVGGGPAGPALPNGPLLGTNGATDDSKTNLIVNYLPQNMTQDEFKSLFGSIGDIESCKL
 VRDKITGQSLGYGFVNYSDPNADKAINTLNGLKLTQTKIKVSYARPSSASIRDANLYVSGLPKTM SQKE
 MEQLFSQYGRIITSRILVDQVTGVS RGVGFI RFDKRIEAE EAIKGLNGQKPLGAAEPITVKFANNPSQKT
 GQALLTHLYQSSARRYAGPLHHQTQRFRLDNLN MAYGVKRFSP I AIDGMSGLAGVGLSGGAAGAGWCIF
 VYNLSPEADESVLWQLFGPFGAVTNVKVIRDFTTNKCKGFGFVTMTNYDEAAMAIASLNGYRLGERVLQV
 SFKTSKQHKA

TRTRPLE - GFP Tag - V

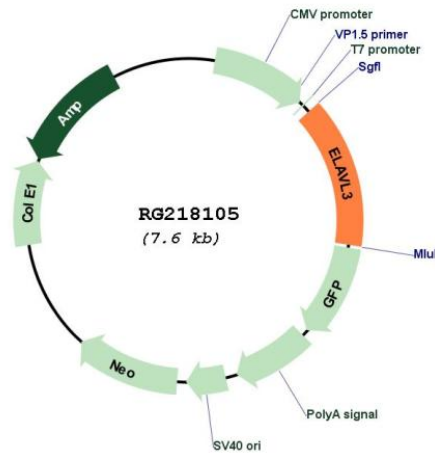
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_032281

ORF Size:	1080 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:	<ol style="list-style-type: none">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_032281.3
RefSeq Size:	4661 bp
RefSeq ORF:	1083 bp
Locus ID:	1995
UniProt ID:	Q14576
Cytogenetics:	19p13.2
Gene Summary:	<p>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]</p>