

Product datasheet for **RG204226**

HAUS1 (NM_138443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAUS1 (NM_138443) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAUS1
Synonyms:	CCDC5; HEI-C; HEIC; HsT1461
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204226 representing NM_138443 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGCAGGAGGAGAGAGAAACGCAGGTTGCTGCGTGGTAAAAAATATTTGGAGATCATCCTA
TTCCACAGTATGAGGTGAACCCACGGACCACAGAGATTTACATCACCTTTCAGAACGCAACAGGGTCCG
GGACAGGGATGTCTACCTGGTAATAGAGGACTTGAAGCAGAAAGCAAGTGAATACGAGTCAGAAGCCAAG
TATCTTCAAGACCTTCTCATGGAGAGTGTGAATTTTTCCCGCCAATCTCTCTAGCACTGGTCCAGGT
ATCTGAATGCTTTGGTTGACAGTGGGTCGCCCTTGAACAAAGGATACCTCGCTAGCTAGTTTTATCCC
TGCACTGAATGATTTGACCTCTGATCTCTTTCGTACCAAATCCAAAAGTGAAGAAATCAAGATTGAAGT
GAAAAACTTGAAAAATTTAACTGCAACTTTAGTATTAGAAAAATGTCTACAAGAGGATGTCAAGAAAG
CAGAGTTGCATCTGTCTACAGAAAGGCCAAAGTTGATAATCGTCGTCAGAACATGGACTTTCTAAAAGC
AAAGTCAGAGGAATTCAGATTTGGAATCAAGGCTGCAGAGGAGCAACTTTCAGCCAGAGGCATGGATGCT
TCTCTGTCTCATCAGTCTTAGTAGCACTATCAGAGAACTGGCAAGATTAAGCAACAGACTATACCTT
TGAAGAAAAATTTGGAGTCTATTTAGACTTAATGCCGAATCCGTCTCTTGCTCAAGTAAAAATTGAAGA
AGCAAAGCGAGAAGTATAGCATTGAAGCTGAAGTACAAGAAGAGTAGACATGATGGAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204226 representing NM_138443
 Red=Cloning site Green=Tags(s)

MEPQEERETQVAAWLKKIFGDHPIPQYEVNPRTEILHHLSENRVDRDRVYLVIEDLKQKASEYESEAK
 YLQDLLMESVNFSPANL SSTGSRYLNALVDSAVALETKDTSLASFIPAVNDLTSDLFRTKSKSEEIKIEL
 EKLEKNLTATLVLEKCLQEDVKKAELHLSTERAKVDNRRQNMDFLKAKSEEFRFGIKAAEEQLSARGMDA
 SLSHQSLVALSEKLARLKQQTIP LKKKLESYLDLMPNPSLAQVKIEEAKRELD SIEAELTRRVDMMEL

TRTRPLE - GFP Tag - V

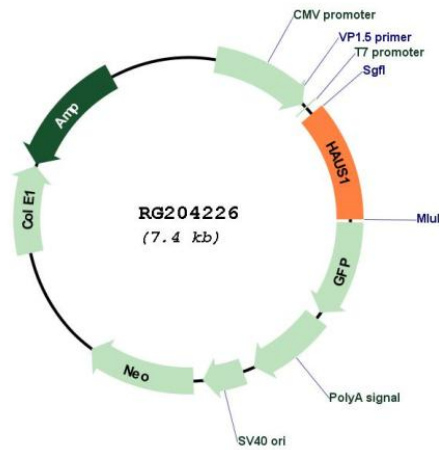
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_138443

ORF Size: 834 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_138443.4
RefSeq Size:	1118 bp
RefSeq ORF:	837 bp
Locus ID:	115106
UniProt ID:	Q96CS2
Cytogenetics:	18q21.1
Protein Families:	Stem cell - Pluripotency
Gene Summary:	HAUS1 is 1 of 8 subunits of the 390-kD human augmin complex, or HAUS complex. The augmin complex was first identified in Drosophila, and its name comes from the Latin verb 'augmentare,' meaning 'to increase.' The augmin complex is a microtubule-binding complex involved in microtubule generation within the mitotic spindle and is vital to mitotic spindle assembly (Goshima et al., 2008 [PubMed 18443220]; Uehara et al., 2009 [PubMed 19369198]). [supplied by OMIM, Jun 2010]