

Product datasheet for **RG200173**

HAUS4 (NM_017815) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAUS4 (NM_017815) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAUS4
Synonyms:	C14orf94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200173 representing NM_017815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCATCCGGGATTTCTGCTCACCTGGAGAAGGGATGGAAATACTTCAACAAGTGTGCAGCAACAAC
TTCCTCCTTGTAACCTGAGTAAAGAGGACCTGTTACAGAACCCATACTTCAGCAAGCTTCTCCTGAATCT
CTCACAGCATGTGGATGAGAGTGGCTTAAGCCTCACCTAGCAAAGGAGCAGGCTCAGGCATGGAAGGAA
GTTGACTGCATAAGACAACATGGTTGAGGTCTGAGATTTACACAGAGTCATTCAAGAGTTGCTTGTGG
ACTACTATGTGAAGATAACAAGACACAAATGTAACCTCTGAGGACAAAAAGTTTCATGAGACCTTGAACA
GCGGCTGCTTGAACCTGAACCTGATGCGGCTCTTAGGTCCTAGCCAGGAGAGGGAGATACCTCCACTGCTG
GGGCTGGAGAAAGCGGACCTTCTGGAACCTCATGCCACTCTCAGAGGATTTTGTGTGGATGAGGGCTCGGC
TACAGCAAGAAGTAGAGGAGCAGCTCAAAAAGAAATGTTTCACTCTGCTCTGCTACTATGATCCCAATTC
AGATGCTGACAGTGAAACCGTGAAGGCAGCAAAGGTGTGGAACTCGCAGAGGTCTGGTGGGTGAGCAG
CAGCAGTGCCAGGATGCCAAGAGCCAGCAGAAGGAGCAGATGTTGCTGCTGGAGAAGAAGAGTGCTGCTT
ACTCCAGGTGCTTCTCCGCTGCCTCACTTTGCTGCAGAGGCTTCTTCAAGAACACCGGCTGAAGACTCA
ATCCGAGCTAGACCGCATCAATGCCAGTACCTGGAAGTCAAGTCCGGTGCTATGATCCTTAAGCTGAGG
ATGGAGGAGCTAAAGATTTTGTCCGACACTTACACTGTTGAGAAAGTGAAGTTCATCGTCTGATTAGGG
ACCGTTTGGAGGGAGCCATTACCTACAGGAGCAGGACATGGAGAACTCAAGACAGGTCTGAACTCCTA
TGAGGTCCTTGGGAGGAGTTTACAGGCTGGTGAAGAGTACACCGTACTCAAGCAGGCAACAGAGAAC
AAGCGTGGGCCCTCCAGGAGTTCAGCAAGGTCTACCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200173 representing NM_017815
 Red=Cloning site Green=Tags(s)

MASGDFCSPGEGMEILQQVCSKQLPPCNLSKEDLLQNPYFSKLLNLQSHVDESGLSLTLAKEQAQAWKE
 VRLHKTTLRSEILHRVIQELLVDYYVKIQDTNVTSEDKKFHETLEQRLLVTELMRLLGPSQEREIPPLL
 GLEKADLLELMPLSEDFVWMRARLQQEVEEQLKKKCFLLCYYDPNSDADSETVKAQVWKLAEVLVGEQ
 QQCDQAKSQQEQMLLLEKSSAAYSQVLLRCLTLLQRLLQEHRLKTQSELDRIINAQYLEVKCGAMILKLR
 MEELKILSDTYTVEKVEVHRLIRDRLEGAHLQEQDMENSRQVLNSYEVLGEEFDRLVKEYTVLKQATEN
 KRWALQEFSKVYR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_017815

ORF Size: 1089 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_017815.3](#)

RefSeq Size: 1618 bp

RefSeq ORF: 1092 bp

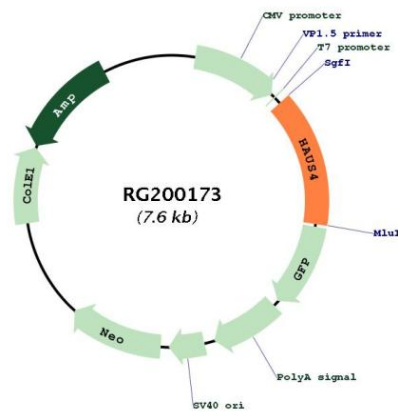
Locus ID: 54930

UniProt ID: [Q9H6D7](#)

Cytogenetics: 14q11.2

Gene Summary: This gene encodes a subunit of the centrosome complex termed the human augmin complex. The encoded protein localizes to the spindle microtubules and may play a role in mitotic spindle assembly and maintenance of centrosome integrity during cell division. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 1. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG200173