

Product datasheet for RC217063

HAUS8 (NM_033417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAUS8 (NM_033417) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAUS8
Synonyms:	DGT4; HICE1; NY-SAR-48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217063 representing NM_033417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCGGATTCTCGGGCGAGGCGCTGGGAAGCCTGCAACCGGCCCCACAAATTCTAGCAGTGCCAAGA
AGAAGGATAAAAGAGTTCAAGGTGGAAGAGTGATTGAGTCCCGGTATCTGCAGTATGAAAAGAAGACAAC
CCAAAAGGCTCTGCAGGAGATGGGTACAGACCCGAGGGAAGATGTCTGAAGGTGGAAGGAAATCCAGC
CTGCTCCAGAAAAGCAAAGCAGATAGCAGTGGGTGCGAAAGGGTGACCTGCAGTCCACGTTGCTGGAAG
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ACAGTTAGCAAAAACAATATCAAAGAAACCTGAGTCAACATCATTTTCTGCCCTCGGAAAAAGAGCCCG
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CCTCGTCAGCCCCGCTCAGGCCACGTTTCATCAGCCCAAGCAAGATTTTCTTCAAGCAGCCAGGCAGA
AGTCCCGCCTCTCTCTCTGTTAGGGAGGGACTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC217063 representing NM_033417
 Red=Cloning site Green=Tags(s)

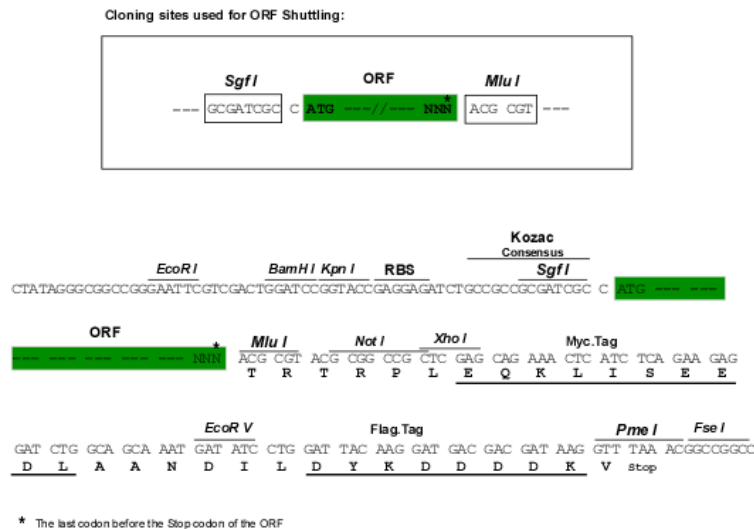
MADSSGRGAGKPATGPTNSSSAKKKDKRVQGGRVIESRYLQYEKKTQKAPAGDGSQTRGKMSEGGKSS
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 DLSEAMEMMESQTLTLLSVKMENNLAEFERRAEKNLLIMCKEKEKLQKKAHELKRRLLLSQRKRELAD
 VLDAQIEMLSPEAVATRFKEQYRTFATALDTRHELPVRSIHLEGGQQLLDALQHELVTTRLLGELD
 VGDSEENVQVLDLLSELKDVTAKKDLELRRSFAQVLELSAEASKEAALANQEVWEETQGMAPPSTRWYFNQ
 DSACRESGGAPKNTPLSEDDNPGASSAPAQATFISPSSEDFSSSSQAEVPPSLSRSGRDLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8017_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033417

ORF Size: 1230 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_033417.2](#)

RefSeq Size: 1468 bp

RefSeq ORF: 1233 bp

Locus ID: 93323

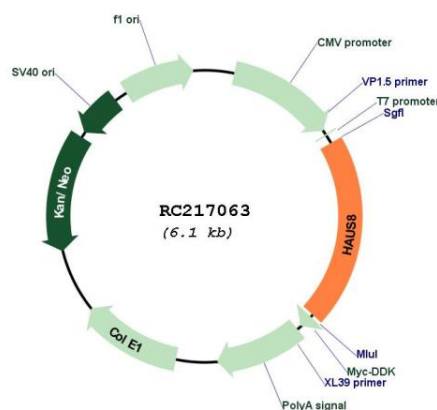
UniProt ID: [Q9BT25](#)

Cytogenetics: 19p13.11

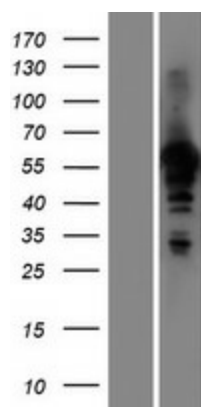
MW: 44.7 kDa

Gene Summary: HAUS8 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]

Product images:



Circular map for RC217063



Western blot validation of overexpression lysate (Cat# [LY409542]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217063 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).