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Product datasheet for RG217063

HAUS8 (NM_033417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAUS8 (NM_033417) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HAUS8
Synonyms:	DGT4; HICE1; NY-SAR-48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG217063 representing NM_033417
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGATTCCTCGGGGCGAGGCGCTGGGAAGCCTGCAACCGGCCCCACAAATTCTAGCAGTGCCAAGA
AGAAGGATAAAAGAGTTCAAGGTGGAAGAGTGATTGAGTCCCGGTATCTGCAGTATGAAAAGAAGACAAC
CCAAAAGGCTCCTGCAGGAGATGGGTCACAGACCCGAGGGAAGATGTCTGAAGGTGGAAGGAAATCCAGC
CTGCTCCAGAAAAGCAAAGCAGATAGCAGTGGGGTCGGAAAGGGTGACCTGCAGTCCACGTTGCTGGAAG
GGCATGGCACAGCTCCACCTGACCTGGATCTCTCTGCTATTAATGACAAAAGCATCGTCAAAAAGACGCC
ACAGTTAGCAAAAACAATATCAAAGAAACCTGAGTCAACATCATTTTCTGCCCCTCGGAAAAAGAGCCCG
GATTTATCTGAAGCAATGGAAATGATGGAGTCTCAGACACTACTGCTGACGCTACTATCCGTAAAGATGG
AGAACAATCTTGCTGAGTTTGAAAGAAGGGCAGAAAAGAATTTATTAATAATGTGTAAGGAGAAGGAGAA
GCTACAGAAAAAGGCCCACGAGCTGAAGCGCAGGCTTCTCCTCTCTCAGAGGAAGCGGGAGCTGGCAGAT
GTCCTGGATGCCCAGATCGAGATGCTCAGCCCCTTCGAGGCAGTGGCCACACGCTTCAAGGAGCAATACA
GGACATTCGCCACGGCCCTGGACACTACCAGGCACGAGCTGCCCGTGAGGTCCATCCACCTGGAGGGAGA
TGGGCAGCAGCTCTTAGACGCCCTGCAGCATGAACTGGTGACCACTCAGCGCCTCCTGGGAGAACTTGAT
GTTGGTGATTCGGAAGAAAATGTGCAGGTGCTGGACTTACTGAGCGAACTCAAGGACGTGACGGCGAAAA
AGGACCTTGAGCTCCGAAGGAGCTTTGCCCAGGTGCTGGAACTCTCCGCAGAGGCAAGCAAAGAGGCAGC
CTTGGCAAACCAGGAAGTCTGGGAAGAGACCCAGGGCATGGCGCCCCCCAGCCGGTGGTATTTCAATCAA
GACAGTGCCTGCAGAGAATCTGGGGGAGCACCCAAGAACACGCCCCTGTCTGAGGACGACAACCCGGGTG
CCTCGTCAGCCCCCGCTCAGGCCACGTTCATCAGCCCAAGCGAAGATTTTTCTTCAAGCAGCCAGGCAGA
AGTCCCGCCCTCTCTCTCTCGTTCAGGGAGGGACTTGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

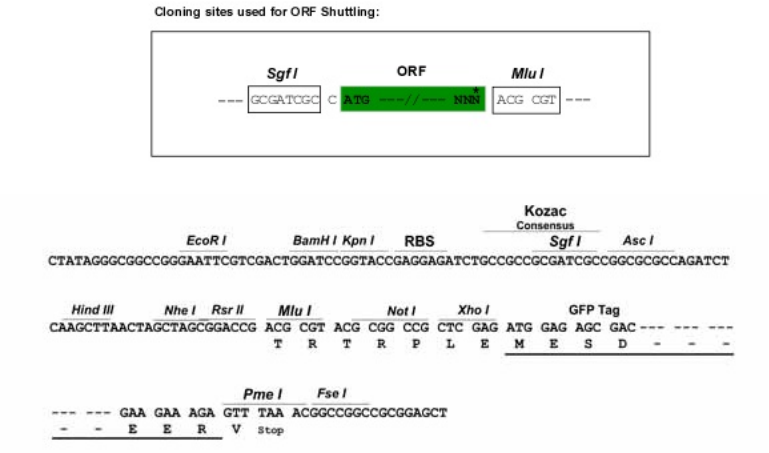
>RG217063 representing NM_033417
Red=Cloning site Green=Tags(s)

MADSSGRGAGKPATGPTNSSSAKKKDKRVQGGRVIESRYLQYEKKTTQKAPAGDGSQTRGKMSEGGRKSS
LLQKSKADSSGVGKGDLQSTLLEGHGTAPPDLDLSAINDKSIVKKTPQLAKTISKKPESTSFSAPRKKSP
DLSEAMEMMESQTLLLTLLSVKMENNLAEFERRAEKNLLIMCKEKEKLQKKAHELKRRLLLSQRKRELAD
VLDAQIEMLSPFEAVATRFKEQYRTFATALDTTRHELPVRSIHLEGDGQQLLDALQHELVTTQRLLGELD
VGDSEENVQVLDLLSELKDVTAKKDLELRRSFAQVLELSAEASKEAALANQEVWEETQGMAPPSRWYFNQ
DSACRESGGAPKNTPLSEDDNPGASSAPAQATFISPSEDFSSSSQAEVPPSLSRSGRDLS

TRTRPLE - GFP Tag - V

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.

RefSeq: NM_033417.2

RefSeq Size: 1468 bp

RefSeq ORF: 1233 bp

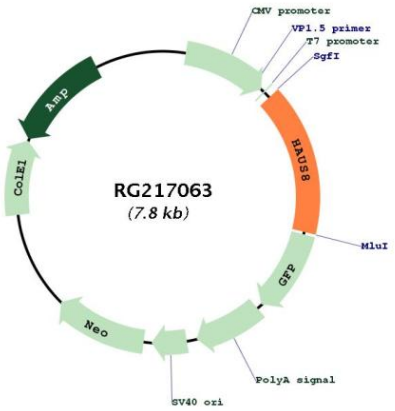
Locus ID: 93323

UniProt ID: Q9BT25

Cytogenetics: 19p13.11

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 RG217063