

Product datasheet for **RC239055**

HAUS3 (NM_001303143) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAUS3 (NM_001303143) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAUS3
Synonyms:	C4orf15; dgt3; IT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239055 representing NM_001303143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTGTGGAATGAGTTTGTGGAAACATTAATAAAATTGGTTATCCCAAAGCTGATAATCTTAATG
 GAGAAGACTTTGACTGGTTGTTTGAAGGCGTTGAAGATGAATCGTTTCTGAAGTGGTTTTGTGGGAATGT
 GAATGAACAGAACGTGTTGTCTGAAAGAGAATTGGAAGCTTTTAGCATTCTTCAGAAATCAGGCAAGCCT
 ATTCTAGAAGGGCGGCATTGGATGAAGCTCTTAAACGTGTAACCTCTGATTGAAGACACCTAGAC
 TGGATGATAAAGAGCTGGAGAAATTAGAGGATGAGGTTCAAACCTACTGAAATTAAGAACCTAAAAAT
 TCAGCGACGTAATAAATGTCAATTGATGGCTTCAGTAAGTCCACAAATCTCTGAGGTTAAATGCTAAA
 GAAGAAGAAGCCACTAAAAAGCTGAAGCAGAGTCAAGGAATCTAAATGCAATGATCACTAAGATCAGTA
 ATGAATTCAGGCTCTTACTGATGAAGTTACACAATTGATGATGTTCTTCAGACATTCTAATTTAGGTCA
 AGGGACAAATCCACTGGTATTTTATCGCAATTTTCTTGGAAAAATACCTAAGTCAGGAAGAGCAAAGC
 ACAGCAGCATTAACCTTTGTATACCAAAAAACAGTTCTTTTCAGGGTATACATGAAGTAGTTGAAAGTTCAA
 ATGAAGACAATTTTCACTTTTAGATATACAGACACCATCTATTTGTGATAATCAAGAAATCCTTGAGGA
 GAGACGACTAGAGATGGCTAGACTGCAGCTCGCATACATTTGTGCTCAACATCAGTTAATCACTTAAAA
 GCAAGTAATTCGAGCATGAAGTCAAGTATAAATGGGCAGAGGAGAGTCTTCACAGCCTAACCCAGCAAGG
 CTGTGGACAAAGAAAATTTGGATGCTAAAATTTCTAGCTTGACCAGTGAGATTATGAACTTGAAAAAGA
 GGTCACCTCAAATAAAGACAGAAGTTTACCTGCTGTGGTAAGAGAGAATGCCAGTTATTGAATATGCCA
 GTGGTAAAGGGAGATTTTGATCTGCAGATTGCTAAACAAGATTATTATACAGCAAGACAAGAGTTAGTTT
 TAAATCAATTAATAAAACAAAAGGCATCATTTGAACTTCTACAGTTATCATATGAAATGAATTAAGAAA
 GCATCGGGACATATATCGTCAACTTGAATAATTTGGTTCAAGAAGTCTAGTCAAGTAACATGATGCTCTAC
 AAGCAATTAGAAATGTTAACAGATCCATCAGTTTCTCAACAGATAAATCCAAGGAATACCATGATACTA
 AGGATTATTCTACTCATAGGCTTTACCAAGTTTGGAGGGAGAGAATAAGAAAAAGAATTGTTTCTAAC
 TCATGGAAACCTTGAGGAAGTGGCTGAGAAATTGAAACAGAATATTTCTTTAGTACAAGATCAGTTGGCA
 GTATCTGCTCAAGAACATTCTTTCTTCTGTCCAAACGGAATAAGGATGTGGACATGCTTTGTGATACTT
 TGTATCAAGGAGGAAATCAGCTTTTCTTAGTGATCAGGAGTTAACAGAGCAGTTTCATAAAGTTGAATC
 TCAACTGAATAAGCTAAATCATCTCCTCACTGATATTCTTGCTGATGTGAAGACAAAAAGAAAACTTTG
 GCAATAATAAATACATCAATGGAAGAGAATTCTATGTATATTTTTTAAAGATGAAGATTATCTGA
 AAGATATTGTGGAGAATTTAGAACTCAATCAAAGATTAAAGGCTGTTAGTCTTGAAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239055 representing NM_001303143
 Red=Cloning site Green=Tags(s)

MSCGNEFVETLKKIGYPKADNLNGEDFDWLFEGVEDESFLKWFCGNVNEQNVLSERELEAFSILQKSGKP
 ILEGAALDEALTKCTSDLKTPRLDDKELEKLEDEVQTLKLKLNKIQRRNKCQLMASVTSKSLRLNAK
 EEEATKKLKQSQGILNAMITKISNELQALTDEVTQLMMFFRHSNLGQGTNPLVFLSQFSLEKYSQEEQS
 TAALTYTKKQFFQGIHEVVESNEDNFQLLDIQTSPICDNQEIIEERRLEMARLQLAYICAQHQLIHLK
 ASNSSMKSSIKWAEESLHSLTSKAVDKENLDAKISSLTSEIMKLEKEVTQIKDRSLPAVVRENAQLLNMP
 VVGDFDLQIAKQDYITARQELVLNQLIKQKASFELLQLSYEIELRKHRIYRQLENLVQELSQSNMMLY
 KQLEMLTDPSVSQGINPRNTIDTKDYSTHRLYQVLEGENKKKELFLTHGNLEEVAEKLKQNISLVQDQLA
 VSAQEHFFLSKRNDKVDMLCDTLYQGGNQLLLSDQELTEQFHKVESQLNKLNHLLTDILADVKTTRKTL
 ANNKLHQMEREFYVYFLKDEDYLDKDIVENLETQSKIKAVSLED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001303143

ORF Size: 1809 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_001303143.2](#)

RefSeq Size: 2451 bp

RefSeq ORF: 1812 bp

Locus ID: 79441

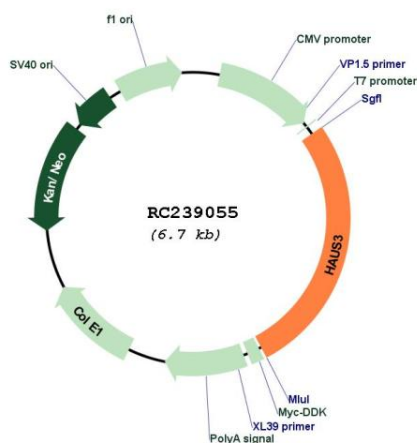
UniProt ID: [Q68CZ6](#)

Cytogenetics: 4p16.3

MW: 70.1 kDa

Gene Summary: This gene encodes a component of the HAUS augmin-like protein complex, which plays a key role in cytokinesis and mitosis. Disruption of the encoded protein causes mitotic defects resulting from fragmentation of centrosomes and microtubule destabilization. This gene shares its 5' exons with some transcripts from overlapping GeneID: 353497, which encodes a DNA polymerase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]

Product images:



Circular map for RC239055