

Product datasheet for RC203737

UCHL5IP (HAUS7) (NM_017518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UCHL5IP (HAUS7) (NM_017518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UCHL5IP
Synonyms:	UCHL5IP; UIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203737 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGGGCGCGGCTCGGAGCGCAAACATGGCGGGCAGGACGCTGGCTGCGGCCGTGGCGGCGACG
ACTACTCAGAGGACGAGGGCGACAGCAGCGTGTCCAGGGCGGCTGTGGAGGTGTTCCGGAAGCTGAAGGA
CCTAAACTGCCCTTCTCGAGGGTCTGTATATCACAGAGCCAAAGACAATTCAGGAAGCTGTGCAGC
CCCTCAGAGTACCGCTTGGAGATCCTAGAGTGGATGTGTACCCGGTCTGGCCCTACTGCAGGACAGGT
TCAGCTACTGAAAGGGTCCCAACAGAGTGAAGATCCAAGAAATGACGAAGCTGGCCACGAGCTGAT
GCTGTGTGCGCCAGATGACCAGGAGCTCCTCAAGGGCTGTGCCTGCGCCAGAAGCAGCTACACTTCATG
GACCAGTTGCTCGATACCATCCGGAGCCTGACCATTGGGTGCTCCAGTTGCTCGAGCCTGATGGAGCACT
TCGAGGACACCAGGGAGAAGAACGAGGCCTTGCTGGGGGAGCTCTTCTAGCCCCACCTGCAGATGCT
CCTGAATCCAGAGTGCAGCCCGTGGCCCTGGACATGCAGCCCTCCTCAACAAGCAGAGTGATGACTGG
CAGTGGGCCAGTGCCCTGCCAAGTCCGAGGAGGAGAGAAGCTGGCGGAGCTTCCAGGCAGCTGCAGG
AGAGTGTGCCAAGTTGCACGCGCTTAGAACGGAGTACTTTGCACAGCATGAGCAAGGGGCTGCTGCGGG
CGCAGCCGACATCAGACCCTAGACCAGAAGCTGCGTCTGGTCACTTCCGACTTCCACCAGCTAATCTTG
GCTTTTCTCCAAGTCTACGACGACGAGCTGGGCGAGTGTGCCAGCGCCAGGCCCTGACCTCCACCCGT
GCGGCCCATCATCCAGGCCACGCACCAGAATCTGACTTCTACAGCCAAGTGTGCAAGTGGTCAATGGC
AGTTGCTGACACCTCTGCGAAGGCCGTGGAGACCGTGAAGAAGCAGCAAGCGAGCAGATCTGCTGGGGT
GGCAGCAGCTCCGTCATGAGTCTAGCTACCAAGATGAATGAAGTAAATGGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC203737 protein sequence
Red=Cloning site Green=Tags(s)

MGGARLGARNMAGQDAGCGRGGDDYSEDEGDSSVSRAAVEVFGKLDLNCPLFLEGLYITEPKTIQELLCS
 PSEYRLEILEWMCTRVWPSLQDRFSSLKGVPTVVKIQEMTKLGHMLCAPDDQELLKGCACAQQLHFM
 DQLLDTIRSLTIGCSSCSLMEHFEDTREKNEALLGELFSSPHLQMLLNPECDPWPLDMQPLLNKQSDDW
 QWASASAKSEEEKLAELARQLQESAAKLHALRTEYFAQHEQGAAGAADI STL DQKLR LVT SDFHQLIL
 AFLQVYDDELGECCQRPGPDLHPCGPIIQATHQNLTYSYQLLQVVMVAVADTSKAVETVKKQQGEQICWG
 GSSSVMSLATKMNELMEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6306_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_017518

ORF Size: 1104 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_017518.7](#)

RefSeq Size: 1378 bp

RefSeq ORF: 1107 bp

Locus ID: 55559

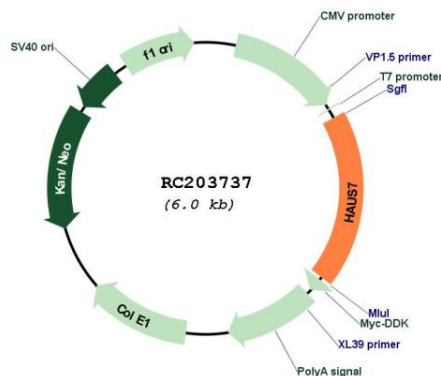
UniProt ID: [Q99871](#)

Cytogenetics: Xq28

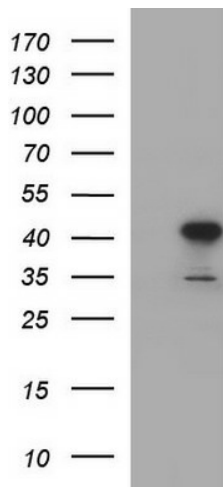
MW: 40.8 kDa

Gene Summary: This gene encodes a subunit of the augmin complex, which regulates centrosome and mitotic spindle integrity, and is necessary for the completion of cytokinesis. The encoded protein was identified by interaction with ubiquitin C-terminal hydrolase 37. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2012]

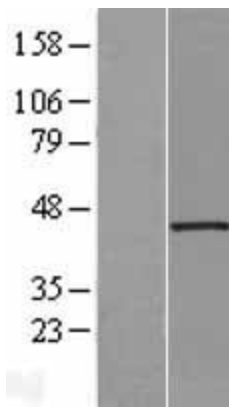
Product images:



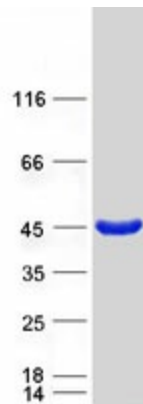
Circular map for RC203737



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY HAUS7 (Cat# RC203737, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-HAUS7(Cat# [TA507060]). Positive lysates [LY413731] (100ug) and [LC413731] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413731]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203737 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HAUS7 protein (Cat# [TP303737]). The protein was produced from HEK293T cells transfected with HAUS7 cDNA clone (Cat# RC203737) using MegaTran 2.0 (Cat# [TT210002]).