*h*USP16 VersaClone cDNA

Catalog Number: RDC2166

Specifications:

Gene:	*h*USP16
Accession:	NP_006438
Insert size:	2485bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

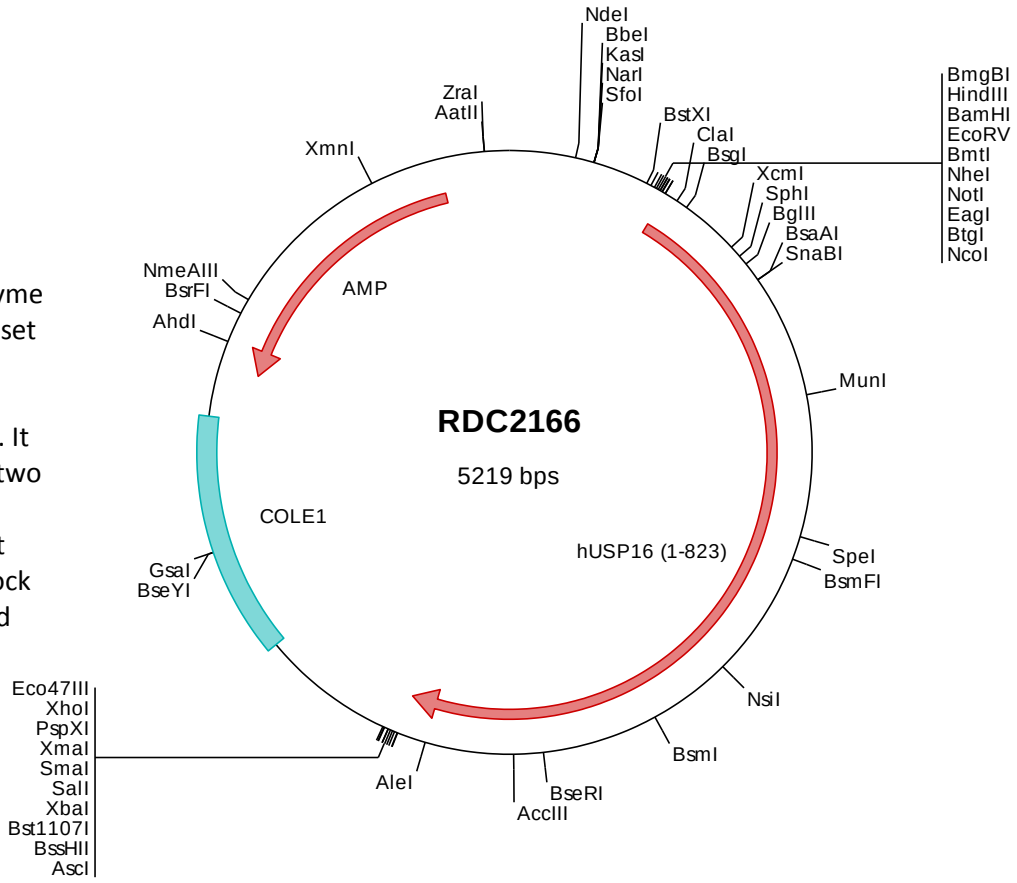
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*USP16 cDNA Plasmid

USP16 ubiquitin specific peptidase 16 [*Homo sapiens* (human)]

Also known as: UBPM; UBP-M

Summary:
USP16 is a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of USP16 was shown to block cell division. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC2166 Plasmid DNA Sequence

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 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgggaaaga aacggacaaa gggaaaaact gttccaatcg atgattcctc
 501  tgaaacttta gaacctgtgt gcagacacat tagaaaagga ttggaacaag gtaatttgaa aaaggcttta gtgaatgtgg aatggaatat ctgccaagac
 601  tgtaagactg acaataaagt gaaagataaa gctgaagaag aaacagaaga aaagccttca gtttggctgt gtcttaaatg tggccatcag ggctgtggca
 701  gaaattctca ggagcagcat gccttgaagc actatctgac gccaagatct gaacctcact gtctggttct tagtttggac aactggagtg tatggtgtta
 801  cgtatgtgat aatgaggtcc agtattgtag ttcaaaccag ttgggtcaag tggttgatta tgtcagaaaa caagccagca ttacaactcc aaagccagca
 901  gagaaagata atggaaatat tgaacttgaa aataaaaaat tagaaaaaga gagtaagaat gaacaagaga gagaaaagaa ggaaaacatg gctaaagaga
1001  atcctcccat gaattctcct tgccaaataa ccgtgaaagg actcagtaat ttgggaaaca catgtttctt caatgcagtt atgcagaact tgtcacaaac
1101  accagtgctt agagaactac taaaagaagt gaaaatgtct ggaacaattg taaaaattga accacctgat ttggcattaa cagaaccatt agaaataaac
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1401  aagagtgagt aaaggaatac ttaaagcatt tggtaattct actgaaaagt tggatgaaga actaaaaaat aaagttaaag attatgagaa gaaaaaatca
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1701  agaaaaagat aacgacagtt acataaaaga gagaagtgat attccttctg gaacaagtaa gcacttacag aaaaaagcaa agaaacaagc caaaaagcaa
1801  gccaagaacc aacgaagaca acaaaaaatt caaggaaaag ttcttcattt aaatgatatt tgtactattg accatcctga agacagtgaa tatgaagctg
1901  aaatgtcact tcaaggagaa gtaaatatta aatccaacca tatttcacaa gagggtgtta tgcataaaga atattgtgtc aaccagaaag atttgaatgg
2001  ccaagcaaaa atgatcgaaa gtgtaactga caatcaaaaa tccacagagg aagtagatat gaaaaatatc aacatggata atgatctgga ggttttaaca
2101  tcttctccca ctaggaattt aaatggtgcc tacctaacgg aagggagcaa tggagaagtg gacatttcca atggtttcaa aaacctaaat ttgaatgctg
2201  ctcttcatcc tgatgaaata aatatagaga ttctgaatga tagtcatact cctggaacaa aggtgtatga ggttgtaaat gaagatccag aaactgcttt
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2401  aaactgcttt gtgaagtatg cacacggaga cagtgtaatg gaccaaaggc aaatataaaa ggtgaaagga agcatgttta caccaatgcc aaaaagcaga
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2601  ggaaatctta gatttggctc ctttttgcac ccttaaatgt aagaatgttg cagaagaaaa tacaagggta ctctattcct tatatggagt tgttgaacac
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2901  attttatgag agaatactgt aaaggcgcgc cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt aatcatggtc
3001  atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc
3101  taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg
3201  gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat
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3901  ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg
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> RDC2166 Translated Insert Sequence

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 201  lgntcffnav mqnlsqtpvl rellkevkms gtivkieppd lalteplein leppgpltla msqflnemqe tkkgvvtpke lfsqvckkav rfkgyqqqds
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 501  egvmhkeycv nqkdlngqak miesvtdnqk steevdmkni nmdndlevlt ssptrnlnga yltegsngev disngfknln lnaalhpdei nieilndsht
 601  pgtkvyevvn edpetafctl anrevfntde csiqhclyqf trneklrdan kllcevctrr qcngpkanik gerkhvytna kkqmlislap pvltlhlkrf
 701  qqagfnlrkv nkhikfpeil dlapfctlkc knvaeentrv lyslygvveh sgtmrsghyt ayakartans hlsnlvlhgd ipqdfemesk gqwfhisdth
 801  vqavpttkvl nsqayllfye ril
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