

Product datasheet for **MC205983**

Usp15 (BC050042) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp15 (BC050042) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Usp15
Synonyms:	mKIAA0529
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC050042
 GCTACGGCTAGTGAAGAAGATGGCGGAAGGCGGAGCGGCGGACCTGGACACCCAGCGTTCTGACATCGC
 GACGCTGCTCAAACCTCGCTCCGGAAAGGGGACACCTGGTATCTAGTAGATAGTCGGTGGTTCAAACAG
 TGGAAAAATATGTTGGCTTTGACAGCTGGGACAAATACCAGATGGGAGATCAAATGTCTATCCTGGAC
 CCATCGATAACTCTGGACTTCTCAAAGATGGCGACGCGCAGTCACTTAAGGAGCACCTTATTGATGAGTT
 GGATTACATACTTTGCCAACTGAGGGCTGGAATAAACTTGTCACTGGTACACACTGATGGAGGGCCAG
 GAGCCAATAGCAAGAAAGGTGGTAGAACAGGGTATGTTTTGTAAAGCACTGCAAAGTAGAAGTCTACCTCA
 CAGAACTGAAGCTCTGTGAGAACGGGAACATGAACAATGTTGTAAGTCTGGAGGTTTAGCAAAGCTGACAC
 AATAGATACGATTGAGAAGGAAATAAGAAAAATCTTCAATATTCCAGATGAGAAGGAGGCCAGACTGTGG
 AACAAAGTATGTGAGCAACACATTTGAACCACTGAATAAGCCAGACAGCCATCCAGGATGCCGGCCTAT
 ACCAAGGACAGGTGTTAGTGATAGAGCAAAAAATGAAGATGGAACGTGGCCAGGGTCCCTCTACTCC
 TAAGTCCCAGGTGCATCCAATTTTTCACTTTACCAAAGATCTCTCCTCATCTCTATCAAATAATTAT
 AACAACTCAACAACAGAAATGTGAAAACTCAAATTATTGTCTCCGTCATATACTGCTTATAAGAACT
 ATGATTATTCAGAACCTGGAAGAAACAATGAACAGCCAGGCTGTGTGGCTTAAGTAACTGGGAAATAC
 GTGTTTCACTGAAGTCAAGTCAAGTGTGTTGAGCAACACACCTCCACTTACTGAATATTTCTCAATGAT
 AAGTACCAAGAAGAGCTGAATTTGACAATCCCTTAGGAATGAGAGGTGAAATAGCTAAATCATACGCTG
 AACTCATCAAGCAGATGTGGTCTGGAAAGTTAGCTACGTCACTCCAAGAGCATTCAAGACACAGGTAGG
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 AGCGCTGTCTGCTTTGTGGGAGTACCTGCAGATAAGATGATAGTCACTGACATATACAATCATAGATTT
 CACAGGATATTTGCCGTGGATGAAAACCTGAGTAGTATTATGGAGCGGGATGATATTTACGTGTTTGAAA
 TTAACATCAACAGGGCAGAAAGACACAGAGCATGTAGTCATTCTGTTTGCCTAAGAGAAAAATTCAGACA
 CTCAAGTTACACGCACCACACTGGCTCTTCACTGTTCCGGCCAGCCTTTTCTTATGGCTATACCACGAAAC
 AATACTGAAGATAAACTCTATAATCTTCTACTCTTGAAGATGTGCCGGTATGTCAAAATGTCTACTGAAA
 CTGAGGAAACAGATGGACACCTACGTTGCTGTGAGGACCAGAATATTAATGGAAATGGGCCAAATGGCCT
 ACATGAAGAGGGTTCACCAAGTGAAGATGGAAACCGACGAGCCAGGTGACGAGTCCAGCCAGGATCAAGAG
 CTTCCCTCAGAGAACGAGAACAGTCACTGAGTGAAGATTCAGTCCGAGGAGATAACGATTCTGAAAATGGAT
 TGTGCACTGAAGAAACATGCAAAGGTCAACTTACGGGACACAAAAAGCGCTTGTTCATTTCCAGTTCAA
 CAACTTAGGCAACAATGACATCAACTACATCAAAGACGACACCAGTCAATCCGATTTCGATGACAGGCAG
 CTTCCGGCTGGACGAAAGATCTTTTCTCGCTTTGGACTGGGACCCTGACTTGAAGAAGAGATACTTTGATG
 AGAATGCTGCAGAGGATTTTGA AAAACATGAAAGTGTGGAATACAAACCTCCAAAAGGCCCTTTGTGAA
 GTTAAAAGACTGCATTGAGCTCTTACCACCAAGGAGGAGTTGGGTGCTGAGGACCCCTGGTATTGTCCA
 AATTGTAAGAGCATCAGCAAGCCACAAAGAAATAGATCTGTGGTCCCTGCCTCCAGTTCTTGTGGTGC
 ATCTCAAGAGATTCTCTATAGTCGCTACATGAGAGACAAGCTAGATACATTAGTCGATTTTCCCATCAG
 TGACTTGGATATGTCAGAATTCCTAATTAACCCAAATGCAGGTCCTTGCCGCTATAATTTGATTGCTGTT
 TCCAACCACTATGGAGGGATGGGAGGAGGACATTATACTGCTTTTGA AAAAACAAAGATGATGGGAAAT
 GGTACTATTTTCGATGACAGTAGCGTCTCCACTGCATCTGAAGACCAAATCGTGTCCAAGGACGCTACGT
 GCTCTTCTACCAGAGACAGGACACTTTCACTGGGACTGGCTTCTTCCCTCTTGACCGAGAAAATAAAGGT
 GCTTCAGTGCACAGGTATCCCCTGGAAAGTGAAGAAGACAGCAATGATAATGACAAATGACCTAGAAA
 ATGAAAATGTATGCACACTAATTAACGAAAGTGAAGAAGCCATAGGAGAGACTTTCTGCTGGTGGT
 TCTATGGAGATGAAGTTATCACCACATGAAACAGAAGTCTGAGATGAGGAGTTTTCAGATACCCGAATGTA
 AATCCTTTATCAGATTTAACTTGTGCACTTGAAGTGAACACAATGAAAATTTAACGAAAATTTGT
 CTCTTAATACATTTACAGTCTTGTATTTACAAGCTAAATATATATAGGAAATCACAATAAATCCCTTTT
 AAGTTTGA AAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC050042

Insert Size:	2946 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>BC050042</u> , <u>AAH50042</u>
RefSeq Size:	3253 bp
RefSeq ORF:	2946 bp
Locus ID:	14479
Cytogenetics:	10 D2
Gene Summary:	<p>The protein encoded by this gene is a member of the large ubiquitin specific protease (Usp) family of proteins. These proteins are known to cleave ubiquitin, and contain a conserved cysteine residue (Cys box) and two conserved histidine residues (His box) that are thought to form part of the active site of the protease. This protein has been shown to cleave both the ubiquitin-proline and the ubiquitin-methionine bonds in vitro. This protein is thought to regulate many cellular processes through its deubiquitination activity, including the transforming growth factor beta (TGF-beta) pathway. Cardiac-specific overexpression of the human ortholog of this gene in mice causes enlargement of the heart that is more pronounced in the atrium than in the ventricle. This gene has two pseudogenes on chromosome 14. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms.[provided by RefSeq, Aug 2014]</p>