

Product datasheet for **SC314981**

USP15 (NM_006313) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP15 (NM_006313) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP15
Synonyms:	UNPH-2; UNPH4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene ORF sequence for NM_006313 edited
 ATGGCGGAAGGCGGAGCGGCGGATCTGGACACCCAGCGGTCTGACATCGCGACGCTGCTC
 AAAACCTCGCTCCGAAAAGGGGACACCTGGTACCTAGTCGATAGTCGCTGGTTCAAACAG
 TGGAAAAAATATGTTGGCTTTGACAGTTGGGACAAATACCAGATGGGAGATCAAATGTG
 TATCCTGGACCCATTGATAACTCTGGACTTCTCAAAGATGGTGATGCCAGTCACTTAAG
 GAACACCTTATTGATGAATTGGATTACATACTGTTGCCAACTGAAGTTGGAATAAACTT
 GTCAGCTGGTACACATTGATGGAAGGTCAAGAGCCAATAGCACGAAAGGTGGTTGAACAG
 GGTATGTTTGTAAAGCACTGCAAAGTAGAAGTATATCTCACAGAATTGAAGCTATGTGAA
 AATGGAACATGAATAATGTTGTAACCTCGAAGATTTAGCAAAGCTGACACAATAGATACA
 ATTGAAAAGGAAAATAAGAAAAATCTTCAGTATTCCAGATGAAAAGGAGACCAGATTGTGG
 AACAAATACATGAGTAACACATTTGAACCACTGAATAAACAGACAGCACCATTCCAGGAT
 GCTGGTTTATACCAAGGACAGGTATTAGTGATAGAACAGAAAAATGAAGATGGAACATGG
 CCAAGGGTCTTCTACTCCTAATGTGAAAACTCAAATTACTGTCTTCCATCATATAACC
 GCTTATAAGAACTATGATTATTCGGAACCTGGAAGAAACAATGAACAGCCAGGCCTCTGT
 GGCCTAAGTAACCTGGGAAATACGTGTTTCATGAACTCAGCTATTCAGTGTTTGAGCAAC
 ACACCTCCACTTACTGAGTATTTCTCAATGATAAGTATCAAGAAGAAGTGAATTTTGAC
 AATCCCTTAGGAATGAGAGGTGAAATAGCTAAATCTTATGCCAACTGATCAAGCAAATG
 TGGTCTGGAAGTTTAGCTACGTCACCCCAAGAGCCTTTAAGACACAGGTAGGACGTTTT
 GCACCTCAGTTCTCTGGATATCAGCAGCAAGACTGTCAAGAACTGTTAGCTTTCTATTA
 GATGGATTACATGAGGATTTGAATAGAATTAGGAAAAACCATATATAACAATAAAAGAT
 GCAGATGGAAGCCAGATAAGGTGGTTGCCGAAGAAGCCTGGGAAAACCATTTAAAACGA
 AATGATTCTATCATAGTAGATATATTTTCATGGCCTTTTCAAATCAACTTTAGTTTGTCT
 GAGTGTCTAAGATTTTCAGTAACATTTGATCCTTTTTGTTACTTGACACTTCCATTGGCC
 ATGAAAAAAGAACGCACCTTGGAAAGTTTACTTAGTTAGAATGGATCCACTTACCAAACCT
 ATGCAGTACAAAGTGGTTGTCCCAAAATTGAAAACATATTAGATCTTTGTACAGCATTG
 TCTGCTTTGTGAGGAATACCTGCAGATAAGATGATAGTTACTGATATATAACAATCATAGA
 TTTACAGAAATATTCGCTATGGATGAAAACCTTAGTAGTATTATGGAACGGGATGATATT
 TATGTGTTTGAATTAACATCAATAGGACAGAAGATACAGAGCACGTGATTATTCCTGTT
 TGCCTAAGAGAAAAATTCAGACACTCGAGTTATACCCACCATACTGGTCTTCCACTTTTT
 GGTGAGCCCTTTCTTATGGCTGTACCACGAAACAATACTGAAGACAACTTTATAATCTC
 CTGCTCTTGAGAAATGTGCCGATATGTCAAATATCTACTGAACTGAAGAACTGAAGGA
 TCCTTACACTGCTGTAAGGACCAAATATTAATGGGAATGGCCAAATGGCATACATGAA
 GAAGGCTCACCAAGTGAATGAAAACAGATGAGCCAGATGATGAATCCAGCCAGGATCAA
 GAACCTCCCTCAGAGAATGAAAACAGTCAGTCTGAAGATTCAGTTGGAGGAGATAATGAT
 TCTGAAAATGGATTATGTACTGAGGATACTTGCAAAGGTCAACTCACGGGACACAAAAAA
 CGATTGTTTACATTCCAGTTCAACAACCTTAGGCAATACTGATATCAACTACATCAAAGAT
 GATACCAGGCATATAAGATTTGATGATAGGCAGCTTAGGCTAGATGAAAGATTTTTTCTT
 GCTTTGGATTGGGATCCTGATTTGAAAAAAGATATTTTGATGAAAATGCTGCCGAGGAC
 TTTGAAAAACATGAAAGTGTGGAGTATAAACCTCCTAAAAACCCCTTTGTGAAATTA
 GATTGCATTGAACTTTTTACAACAAAAGAAAAGCTAGGTGCTGAAGATCCCTGGTATTGT
 CCGAATTGTAAAGAACATCAGCAAGCCACAAAGAAATTGGATTTATGGTCCCTGCCTCCA
 GTACTTGTAGTACATCTCAAGCGATTTTCTTACAGTCGATACATGAGAGACAAGTTGGAT
 ACCTTAGTTGATTTTCTATCAATGACTTGGATATGTCGGAATTCCTTAATTAATCCAAAT
 GCAGGTCCTTGCCGCTATAATCTGATTGCTGTTTCCAACCACTATGGAGGGATGGGAGGA
 GGACACTATACTGCTTTTGCAAAAATAAAGATGATGGAAAATGGTACTATTTTGTATGAC
 AGTAGTGTCTCCACTGCATCTGAAGACCAATTTGTGCCAAAGCAGCATATGTACTTTC
 TACCAGAGACAAGACACTTTTCAGTGGAACTGGCTTTTTTCTCTTGACCGAGAACTAAA
 GGTGCTTCAGCTGCCACTGGCATCCCATAGAAAAGTATGAAGATAGCAATGATAATGAC
 AATGATATAGAAAATGAAAACCTGTATGCACACTAACTAA

Restriction Sites:

Please inquire

ACCN:	NM_006313
Insert Size:	3100 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with the protein associated with reference NM_006313.1.
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:	NM_006313.1 , NP_006304.1
RefSeq Size:	4611 bp
RefSeq ORF:	2859 bp
Locus ID:	9958
UniProt ID:	Q9Y4E8
Cytogenetics:	12q14.1
Domains:	UCH, DUSP
Protein Families:	Druggable Genome, Protease

Gene Summary:

This gene encodes a member of the ubiquitin specific protease (USP) family of deubiquitinating enzymes. USP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The encoded protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.