

## Product datasheet for **SC215739**

### USP2 (NM\_171997) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	USP2 (NM_171997) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	USP2
Synonyms:	UBP41; USP9
ACCN:	NM_171997
Insert Size:	1650 bp



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**Insert Sequence:** >SC215739 3'UTR clone of NM\_171997  
 The sequence shown below is from the reference sequence of NM\_171997. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAACTGGCCAGCCCGCCCTCCCGAATGTAGCGCCAGGAGCCAGTCCCTTCTCCCTTCCCGTGGTGGC
CCCCTCCCTAAATTTTTTAAAAAGACAAAAACAACAACAACAACACACAACCTGACAAGAGA
AAAAACAACCTGAAGCTGCCGAGCAGGAGTGGATGCAGCCTGATCAGGGTCTGGAGCAAGGAGCCGGGC
TTTCTGAGCTGTGGCCCGCAGGGAAGATCGCCTGGACGTGGAGCCAGCATCGCCCCGTGCCCTCGGC
GTTTGCATTTGTAACCTTGTGGTCTTCTATGTGTGAGAAACAACCTGTGTCTTGGGGGGGAAAGACCTC
GCTGCGCCGCTTCCCGCCGACGCGCCCGCCTCCGAGGGGACAGCGCCCTCTGGAGCTCGTGGGAGC
ATCACCCTGGACGCCCGCGCCGGAGGAGCCGGCGCCATCTCCACCCGACGGCTCGCCGGTCCA
GAGCCATGAGCCAAGAGCCCTTTCACGCTGCTAACTCCAGGGGACAGACGAAGGGACATCTTTGAAA
ACGCTGGTTTTGGTTTTTAAAAAGCCCAACTTTTTTTTTTTAATTTCCATAACTAAAGTGTTCAGACTG
GAGTGCTCTCCTTCAGGCCTCTTCATAGCTGGGACGTTGCACTGGTCTTTTTATTGCTTTTCCAAGTAC
AACTTTCTAATGCTAGCCCTCCGTGGTGTAGGTGGGCGTTGGCCAGGCCCAAGCACAGCCACAGTAG
ACCTGGGATCTAAACAAGTTTCTGTTTTGGGGTTTTGGGTTTTTTTTTTTTTTTTTAAATGTTTTGAA
TGGAAATTTAGTTGCCCTCAAGAATTGTGCCTTATAGCATTGGGGACCAGGGGTAAGTCCCTCCTG
AAATATCCCTCAGCCTCTCCCTTTTCCCAGTGTCTGTTCAAACCCGCTGGGAAAGGGATCTGCC
CTTAGCCCTGGCTCGTTGTGATTGCAGTGAGGCAAAGAAGAAAGCAGGTAGATTCCTCCGACAGGGC
ATCAAGTTCTTCCCGCCACGTCTCTAGCCACCCCTGGTCTGCTCCCAGCTGTTGAAGGATAGCA
CAAGCCCTCGTCCCTAGAGCTTCTCTCCCTTTTATTTATTCTCTTAACATCCCTTTCCCTGGCCTT
CCTGCCCCCGCCCTTCTCAGGCCTCTAGACAATAGGCCCTTGGACCGAGTTTCTCAGGGATGCC
CAGGCCACCCCTCAGCTCTTCTAGCGCTGGTCTCCAGTCTGCCCTGGGAGCTGGAGCCTGGGTATTT
GGGGACATCTGCCTCAGTTGTATGGTTCTTCTGTGGGCTCAATTTTGCCTACATAGTTGGATAAA
ACTCTGTGCTGTCTGGAGAGTAAAGCTGTTCAACCCACACAGCTGGGCCCGGCTTGTGCCCGTGGAGC
CTGGCACATTCCAGGCTCCTAGGAGGAGGCATCAGAGAAAGACACCCTGAGTTTTACTGGCCTGACACC
CTTCTCCAGAGAAGACCTGTGAACCTGAGCCCAAGGGCAAGTGTACACTGTTTACTGTGTAAGCAAGA
GTAGAAGAATGTCTAATGTACAGTGAACCTTGTACAGAATAAATAATAGCTTTGAGAAATCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_171997.3](#)

**Summary:** This gene encodes a member of the family of de-ubiquitinating enzymes, which belongs to the peptidase C19 superfamily. The encoded protein is a ubiquitin-specific protease which is required for TNF-alpha (tumor necrosis factor alpha) -induced NF-kB (nuclear factor kB) signaling. This protein deubiquitinates polyubiquitinated target proteins such as fatty acid synthase, murine double minute 2 (MDM2), MDM4/MDMX and cyclin D1. MDM2 and MDM4 are negative regulators of the p53 tumor suppressor and cyclin D1 is required for cell cycle G1/S transition. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

**Locus ID:** 9099

**MW:** 61.2