

## Product datasheet for SC338015

### USP47 (NM\_001282659) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP47 (NM_001282659) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP47
Synonyms:	TRFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282659, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCCCGCGGAGGAGAACCAACTGGTCCCGAAAGAGATAGAAAATGCTGCTGAAGAACCTAGAGTCT
TATGTATTATACAAGATACTACTAATTCAAAGACAGTGAATGAACGGATCACTTTAAATTTACCAGCATC
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GTGTGGGGAAATGGAATCAATACTGCTGATATGGCACCCTGGATCATACCAGTGACAAGTCACTTCTCG
ACGCTAATTTTGAGCCAGGAAAGAAGAACTTTCTGCATTTGACAGATAAAGATGGTGAACAACCTCAAAT
ACTGCTGGAGGATTCAGTGTGGGAAGACAGTGTTCATGACAGGTTTATAGGTCGGCTCCAAGAGAA
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AACTGGATATGTGGGACTAGTAAACCAAGCAATGACTTGCTATTTGAATAGCCTTTTGCAACACTTTT
TATGACTCCTGAATTTAGGAATGCATTATATAAGTGGGAATTTGAAGAATCTGAAGAAGATCCAGTGACA
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CAGATGTTACAAGGAGCTTTGGATGGGATAGTAGTGAGGCTTGGCAGCAGCATGATGTACAAGAATATG
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TTCAGTGATGAGCAGTGGTACAGCTTCAATGATCAACATGTCAGCAGGATAACACAAGAGGACATTAAGA
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TATGCTGATCTATAGACTGAAGGATCCAGCCAGAAATGCAAAATTTCTAGAAGTGGATGAATACCCAGAA  
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 CTTCAGAGATGAAGTTGGATCCCTTCCAGGAGTTGATTGGAAGCAGTGTGGACGAATTGCGAGA  
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 GACAGATGAGCAAAGAAATGAACTGATGAAAAAGAAAGCAGTCGACTCCAGAAGACTGGACATCGTGTA  
 ACATACTCACCTCGTAAAGAGAAAGCACTAAAAATATATCTGGATGGAGCACCAATAAAGATCTGACTC  
 AAGACTGA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001282659

**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:**

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\\_001282659.1](#), [NP\\_001269588.1](#)

**RefSeq Size:** 7990 bp

**RefSeq ORF:** 4068 bp

**Locus ID:** 55031

**UniProt ID:** [Q96K76](#)

**Cytogenetics:** 11p15.3

**Gene Summary:** Ubiquitin-specific protease that specifically deubiquitinates monoubiquitinated DNA polymerase beta (POLB), stabilizing POLB thereby playing a role in base-excision repair (BER). Acts as a regulator of cell growth and genome integrity. May also indirectly regulate CDC25A expression at a transcriptional level.[UniProtKB/Swiss-Prot Function]