

Product datasheet for **SC337847**

USP7 (NM_001286457) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP7 (NM_001286457) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP7
Synonyms:	HAFOUS; HAUSP; TEF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286457, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGGAACCCACAGGCTTGGGCTCGAAGCGGGAGATACAGATGACCCACCAAGAATTACTCAGAACC
CTGTGATCAATGGGAATGTGGCCCTGAGTGATGGACACAACACCGCGGAGGAGGACATGGAGGATGACAC
CAGTTGGCGCTCCGAGGCAACCTTTTCAGTTCAGTGTGGAGCGCTTCCAGCAGACTGAGTGAGTCGGTCCTT
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CACACCAAAAAAGCGTAGGATTCTTTCCAGTGAATGCTGAATCTGATTCCACGTCATGGTCTTGCCA
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TTGTTCTCCATAAAGAAAATGATTGGGGATTTTCCAATTTTATGGCCTGGAGTGAAGTGACCGATCCTG
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GTTGACACTGCACTAATGCTTACATGTTAGTCTACATCAGGGAATCAAACCTGAGTGAAGTTTTACAGG
CGGTCACCGACCATGATATTCTCAGCAGTTGGTGGAGCGATTACAAGAAGAGAAAAGGATCGAGGCTCA
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GAAGCGGAAGGAGCGGCAGGAAGCCATCTCTATATGCAAGTGCAGATAGTCGCAGAGGACCAGTTTTGT
 GGCCACCAAGGGAATGACATGTACGATGAAGAAAAAGTAAAACACTGTGTTCAAAGTATTGAAGAACT
 CCTCGTTGCTGAGTTTGTTCAGAGCCTCTCAGACCATGGGATTTCCACAAGATCAAATTCGATTGTG
 GCCCATGCAAGCAAGGAGTAATGGAACAAAACGACCAGCAATGTTAGATAATGAAGCCGACGGCAATAAA
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 GGAATCCCTTTGGACCAGGTGGACATAGACAAAGAGAATGAGATGCTTGTACAGTGGCGCATTTCACAC
 AAAGAGGTCTTCGGAACGTTTCGGAATCCCGTTTTGCTGAGGATACACCAGGCGGAGCATTTTCGAGAAG
 TGATGAAGCGAATCCAGAGCCTGCTGGACATCCAGGAGAAGGAGTTTGAAGTTTAAATTTGCAATTGT
 AATGATGGGCCGACACCAGTACATAAATGAAGACGAGTATGAAGTAAATTTGAAAGACTTTGAGCCACAG
 CCCGGTAAATGTCTCATCCTCGGCCTTGGCTAGGGCTCGACCACTTCAACAAAGCCCCAAAGAGGAGTC
 GCTACACTTACCTTAAAAGGCCATTAATAATCCATAACTGA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001286457

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_001286457.1](#), [NP_001273386.1](#)

RefSeq Size: 5281 bp

RefSeq ORF: 3261 bp

Locus ID: 7874

UniProt ID: [Q93009](#)

Cytogenetics: 16p13.2

Protein Families: Druggable Genome, Protease

Gene Summary: The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to 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.