

## Product datasheet for **SC332140**

### USP4 (NM\_001251877) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** USP4 (NM\_001251877) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** USP4  
**Synonyms:** UNP; Unph  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332140 representing NM\_001251877.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCGGAAGGTGGAGGCTGCCGTGAGCGACCGGATGCGGAGACTCAGAAGTCCGAGCTTGGACCCTTA
ATGAGGACCACACTCCAACGCGGGGCGCAGTGGTATCTTATTGACAGCCGGTGGTTCAAGCAGTGGAAAG
AAGTATGTGGGCTTTGACAGCTGGGACATGTACAATGTGGGTGAACATAACCTATTTCTGGCCCAATA
GACAACTCTGGGCTATTTTCAGATCCTGAGAGTCAGACCTTAAAGAACAACCTAATTGATGAATTGGAC
TATGTATTGGTCCCTACCGAGGCGTGAATAAACTACTAACTGGTACGGCTGTGTAGAAGGCCAGCAA
CCCATCGTCAGAAAAGTTGTGGAGCATGGCCTGTTTGTCAAGCACTGCAAAGTCGAGGTGTATTTGCTG
GAACTGAAGCTCTGTGAGAACAGTGACCCACCAATGTGCTGAGTTGCCATTTCAAGCAAGGCAGACACC
ATTGCAACCATCGAGAAAAGAGATGCGGAAGCTATTCAACATCCCTGCGGAGCGTGAACACGGCTCTGG
AACAAATACATGAGCAACACCTACGAGCAGTTGAGCAAGCTAGACAACACTGTCCAGGATGCTGGGCTA
TACCAGGGTCAGGTGCTAGTAATTGAGCCTCAAATGAAGATGGCACATGGCCCAGGCAGACCTTGAG
TCAAAAAGTTTCGTTCTTTTTGCCAGGCTGGAGTGCAATGGCGCGATCTTGGCTCACTGCAACTTCTGC
CTCCCGGGTTCAAGCAATTCTCCTGCCTCAGCTCCCGAGTAGCGCCATCACATCTGGCTAATTTTTTT
TTTTTTGAGATGGAGTCTCACTGTACCAAGCTGGAGTGCGGTGGTGCAGTCTCGGCTTACTCCCGG
GTTCAAGTGATGCTTCTGCCCGAGCTCCCGAGTGGCTGGGATGA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001251877  
**Insert Size:** 942 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:**

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\\_001251877.1](#)

**RefSeq Size:** 1673 bp

**RefSeq ORF:** 942 bp

**Locus ID:** 7375

**UniProt ID:** [Q13107](#)

**Cytogenetics:** 3p21.31

**Protein Families:** Druggable Genome, Protease

**MW:** 35.7 kDa

**Gene Summary:** The protein encoded by this gene is a protease that deubiquitinates target proteins such as ADORA2A and TRIM21. The encoded protein shuttles between the nucleus and cytoplasm and is involved in maintaining operational fidelity in the endoplasmic reticulum. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (3) lacks several exons and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. It encodes isoform c, which is shorter and has a distinct C-terminus, compared to isoform a. 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.