

Product datasheet for **SC314904**

USP33 (NM_201624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP33 (NM_201624) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP33
Synonyms:	VDU1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



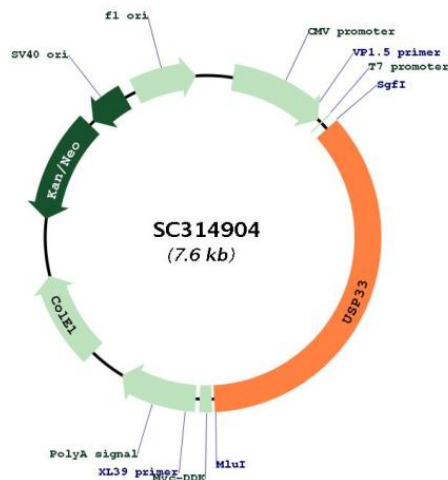
[View online »](#)

Fully Sequenced ORF: >SC314904 representing NM_201624.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGCTTTTCGAAATCATTGTCCACATTTGGATTTCAGTTGGTAAATAACAAAAGAAGATTTGATA
CAAAAATCCCTTGGTACTTGTCCAGGATTGTAAAGTCCAAGGACCAATCTTTGGCATGTCTGGAGAAT
AGATGTTTCATATGTTGGCTGTGGTGAATCACAAAGTAGATCACAGCACCATACATTCTCAGGAGACAAAG
CATTATCTAACTGTGAACCTTACCACTCTTCGAGTATGGTGTATGCTTGCAGCAAAAGAAGTATTTTTG
GATAGGAAATTAGGAACTCAGCCTTCATTGCCTCATGTAAGACAACCTCACCAATACAAGAAAACAGT
GTCCAGGATTTTAAAATACCCAGTAATACAACATTA AAAACTCCTCTGGTTGCCGATTTTGATGACTG
GATATAGAAGCGGATGAAGAAGATGAACCTTAGGGCCAGAGGTCTTACAGGTTTAAAAATATTGAAAT
ACTTGTACATGAATGCAGCTTTCAGGCTCTTCTAATTGCCACCTTTGACACAGTTTTTTCTTGAT
TGTGGAGGACTAGCTCGAACAGATAAGAAACCTGCCATTTGTAAAAGTTATCTCAAATAATGACAGAG
CTGTGGCATAAAAAGCAGGCCAGGATCTGTTGTGCCTACTACTCTGTTTCAAGGAATTA AAACTGTAAT
CCAACATTTCCGGGGTATTCTCAGCAGGATGCTCAAGAATTCCTTCGATGTTAATGGATTTGCTTCAT
GAAGAATTGAAAGAGCAAGTCATGGAAGTGAAGAAGATCCGCAAACCATAACCACTGAGGAGACAATG
GAAGAAGACAAGAGCCAGTCCGATGTAGATTTTTCAGTCTTGTGAATCTTGTAGCAACAGTGATAGAGCA
GAAAATGAAAATGGCTCTAGATGCTTTTCTGAAGATAATAATGAAACAACAATGTTAATTCAGGATGAT
GAAAACAATTCAGAAATGTCAAAGGATTGGCAAAAAGAGAAGATGTGCAATAAGATTAATAAAGTAAAT
TCTGAAGCGCAATTTGATAAAGATAGAGACTCTATATCTGAAACAGTCGACTTAAACAACCGGAAAT
GTCAAAGTGCAATACACAGCAGAGCTTCAGAAATATCACTGATGTCCATTGCAATGACCTGTCTACA
CCACAGATCCTTCCATCAAAATGAAGGTGTTAATCCACGTTTATCGGCAAGCCCTCTAAATCAGGCAAT
TTGTGGCCAGGATTGGCACCAACACAAAAAGCTCAGTCTGCATCTCAAAGAGAAAAAACAGCAC
AAGAAATACAGAAGTGTTATTTTCAGACATATTTGATGGAACAATCATTAGTTCAGTGCAGTGTCTGACT
TGTGACAGGGTGTCTGTAACCCTCGAGACCTTTCAAGTCTGTCCTTGCCAATTCCTGGCAAGGAAGAC
CTTGCTAAGTGCATTTCAGTCAAGTCACTCAACTTCTATAGTCAAAGCAGGATCATGTGGCGAAGCATAT
GCTCCACAAGGGTGGATAGCTTTTTTTCATGGAATATGTGAAGAGGTTTGTGTCTCATGTGTCCCTAGC
TGGTTTTGGGGTCCAGTAGTAACCTTGAAGATTGTCTTGCTGCCTTCTTGGCAGAGATGAACTAAAA
GGTGACAATATGTACAGTTGTGAAAAATGCAAAAAGTTGAGAAATGGAGTGAAGTTTTGTAAAGTACAA
AACTTTCTGAGATTTTGTGCATCCACCTTAAAAGATTGAGACATGAACTAATGTTTTCCACCAAAATC
AGTACCATGTTTCATTTCCGCTAGAAGCTTGGATCTTCAGCCATTTCTTGCTAAGGATAGTCCAGCT
CAAATTGTGACATATGATCTTCTGTGAGTCAATTTGCCATCATGGAACGCAAGTAGTGGACACTATATA
GCCTACTGCCGAAACAATCTAAATAATCTCTGGTATGAATTTGATGATCAGAGTGTCACTGAAGTTTCA
GAATCTACTGTACAAAATGCAGAAGCTTACGTTCTTTTCTATAGGAAGAGCAGCGAAGAGGCACAAAAA
GAGAGGAGAAGGATATCAAAATTTATTGAACATAATGGAACCAAGCCTCCTTCAGTTTTATATTTCTCGA
CAGTGGCTTAATAAAATTAAGACCTTTGCCAAGCTGGCCCTATTTCAAATAATGACTTTCTTTGTATT
CATGGAGGTGTTCTCCAAGAAAAGCTGGTTATATTGAAGACCTGGTTTTGATGCTGCCTCAGAACATT
TGGATAACCTATATAGCAGGTATGGTGGAGACCAGCTGTCAACCATCTGTACATTTGTCATACTTGC
CAAATTGAGGCGGAGAAAATTGAAAAAAGAAGAAAAACTGAATTGGAAATTTTTATTTCGGCTTAACAGA
GCGTTCCAAAAAGAGGACTCTCCAGCTACTTTTTATTGCATCAGTATGCAGTGGTTTAGAGAATGGGAA
AGTTTTGTGAAGGTAAGATGGAGATCCTCCAGGTCCTATTGACAATACTAAGATTGCAGTCACTAAA
TGTGGTAAATGTGATGCTTAGGCAAGGAGCAGATTCTGGCCAGATTTCTGAAGAAACATGGAATTTCTG
CAGTCTATTTATGGTGGAGGCCGAAGTTATCCTGCGACCTCCGGTTGTTTCATGTTGATCCAGATATA
CTTCAAGCAGAAGAAAAAATTGAAGTAGAACTCGGTCTTTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_201624

Insert Size: 2736 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_201624.2](#)

RefSeq Size: 4372 bp

RefSeq ORF: 2736 bp

Locus ID: 23032

UniProt ID: [Q8TEY7](#)

Cytogenetics: 1p31.1

Protein Families: Druggable Genome, Protease

MW: 103.3 kDa

Gene Summary: This gene encodes a deubiquinating enzyme important in a variety of processes, including Slit-dependent cell migration and beta-2 adrenergic receptor signaling. The protein is negatively regulated through ubiquitination by von Hippel-Lindau tumor protein (VHL). Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region and uses a downstream start codon compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1.