

Product datasheet for **SC322391**

USP33 (NM_201626) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP33 (NM_201626) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP33
Synonyms:	VDU1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322391
 GAGAGCTGAGAAGGAAAAGAGGAGCTTGC GGAGGTGCGGCTGCAGGCCGTTGTTGGTTCGA
 GCTGGCGGGTCCC GCGGGCCAGGCCGTGGAGAGCTCCTGAAGGAAGCACTAAACATGGAA
 AGGAACAACCGGTACCAGCCACTGCAAAAAATGCCAAATTTGTAAGACCATCGATGTTA
 GGAAGAACTGCCTCAACTAATGAGCAAAATAACCAGCTAACATCGTAATGACAGGATCA
 AATTCACACATAACGATATTAACCTTAAAGGTGTACCTCATTTTGAAAGTCTTGGGAAA
 CAGGAAAAAATCCTAACAAAATGTCAGCTTTTCGAAATCATTGTCCACATTTGGATTCA
 GTTGGTGAATAACAAAAGAAGATTTGATACAAAATCCCTTGGTACTTGCAGGATTGT
 AAAGTCCAAGGACCAAATCTTTGGGCATGTCTGGAGAATAGATGTT CATATGTTGGCTGT
 GGTGAATCACAAGTAGATCACAGCACCATACATTCTCAGGAGACAAAGCATTATCTAACT
 GTGAACCTTACC ACTCTTCGAGTATGGTGTATGCTTGCAGCAAAGAAGATTTTTGGAT
 AGGAAATTAGGAACTCAGCCTTCATTGCCTCATGTAAGACAACCTCACCAAATACAAGAA
 AACAGTGTCCAGGATTTAAAAATACCCAGTAATACAACATTA AAAACTCCTCTGGTTGCC
 GTATTTGATGATCTGGATATAGAAGCGGATGAAGAAGTGA ACTTAGGGCCAGAGGTCTT
 ACAGGTTTGAAAAATATTGGAAACTTGTACATGAATGCAGCTTTGCAGGCTCTTTCT
 AATTGCCACCTTTGACACAGTTTTTTCTTGATTGTGGAGGACTAGCTCGAACAGATAAG
 AAACCTGCCATTTGTA AAAGTTATCTCAA ACTAATGACAGAGCTGTGCCATAAAAGCAGG
 CCAGGATCTGTTGTGCCTACTACTCTGTTTCAAGGAATTA AAAACTGTAATCCAACATTT
 CGGGGGTATTCTCAGCAGGATGCTCAAGAATTCCTTCGATGTTT AATGGATTTGCTTCAT
 GAAGAATTGAAAGAGCAAGT CATGGAAGTAGAAGAAGATCCGCAAACCATAACTACTGAG
 GAGACAATGGAAGAAGACAAGAGCCAGTCGGATGTAGATTTT CAGTCTTGTGAATCTTGT
 AGCAACAGTGTAGAGCAGAAAAATGAAAATGGCTCTAGATGCTTTTCTGAAGATAATAAT
 GAAACAACAATGTTAATTCAGGATGAAAACAATTCAGAAATGTCAAAGGATTGGCAA
 AAAGAGAAGATGTGCAAT AAGATTAATAAAGTAAATTCGAAGGCGAATTTGATAAAGAT
 AGAGACTCTATATCTGAAACAGTCGACTTAAACAACCAGGAAACTGTCAAAGTGC AAATA
 CACAGCAGAGCTTCAGAAATATCACTGATGTCCATTGCAATGACCTGTCTACACCACAG
 ATCCTTCCATCAAATGAAGGTGTTAATCCACGTTTATCGGCAAGCCCTCCTAAATCAGGC
 AATTTGTGGCCAGGATTGGCACCACCACAAAAAAGCTCAGTCTGCATCTCAAAGAGA
 AAAAAACAGCACAAAGAAATACAGAAGTGTATTT CAGACATATTTGATGGAACAATCATT
 AGTTCAGTGCAGTGTCTGACTTGTGACAGGGTGTCTGTAACCCTCGAGACCTTTCAAGAT
 CTGTCCTTGCCAATTCCTGGCAAGGAAGACCTTGCTAAGCTGCATT CATCAAGTCATCCA
 ACTTCTATAGTCAAAGCAGGATCATGTGCGCAAGCATATGCTCCACAAGGGTGGATAGCT
 TTTTTCATGGAATATGTGAAGAGCTGGTTTTGGGGTCCAGTAGTAACCTTGCAAGATTGT
 CTTGCTGCCTTCTTTGCCAGAGATGAACTAAAAGGTGACAATATGTACAGTTGTGAAAAA
 TGCAAAAAGTTGAGAAATGGAGTGAAGTTTTGTAAAGTACAAA ACTTTCTGAGATTTTG
 TGCATCCACCTTAAAAGATTCAGACATGAACTAATGTTTTCCACCAAATCAGTACCCAT
 GTTTCAATTTCCGCTAGAAGGCTTGGATCTTCAGCCATTTCTTGCTAAGGATAGTCCAGCT
 CAAATTTGACATATGATCTTCTGTGAGTCAATTTGCCATCATGGA ACTGCAAGTAGTGGA
 CACTATATAGCCTACTGCCGAAACAATCTAAATAATCTCTGGTATGAATTTGATGATCAG
 AGTGTCACTGAAGTTTCAGAACTACTGTACAAAATGCAGAAGCTTACGTTCTTTTCTAT
 AGGAAGAGCAGCGAAGAGGCACAAAAAGAGAGGAGAAGGATATCAAATTTATTGAACATA
 ATGGAACCAAGCCTCCTTCAGTTTTATATTTCTCGACAGTGGCTTAATAAATTTAAGACC
 TTTGCCGAACCTGGCCCTATTTCAAATAATGACTTTCTTTGTATT CATGGAGGTGTTCTCT
 CCAAGAAAAGCTGGTTATATTGAAGACCTGGTTTTGATGCTGCCTCAGAACATTTGGGAT
 AACCTATATAGCAGGTATGGTGGAGGACCAGCTGTCAACCATCTGTACATTTGTCATACT
 TGCCAAATTTGAGGCGGAGAAAAATGAAAAAGAAGAAAAACTGAATTTGAAATTTTTATT
 CGGGTAAAAAAGTGATGCTTTTCAAATTTGATCTAGGATAAAGATGAAGACCTGACAATTA
 TCAGAGTTATATGATATTAATAAAATGATTAGATGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_201626

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:	<ol style="list-style-type: none"> 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:	<u>NM_201626.1, NP_963920.1</u>
RefSeq Size:	2932 bp
RefSeq ORF:	2487 bp
Locus ID:	23032
UniProt ID:	<u>Q8TEY7</u>
Cytogenetics:	1p31.1
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the coding region and differs in the 3' UTR compared to variant 1. The encoded isoform (3) has a shorter, distinct C-terminus compared to isoform 1.</p>