

Product datasheet for SC127906

USP12 (NM_182488) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP12 (NM_182488) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP12
Synonyms:	UBH1; USP12L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_182488 edited
 ATGGAAATCCTAATGACAGTCTCCAAATTCGCCTCCATCTGTACCATGGGCGCCAATGCT
 TCGGCATTAGAGAAAGAGATTGGTCCAGAACAGTTTCCGGTCAATGAGCACTATTTTGG
 TTAGTCAATTTTGGGAATACCTGCTACTGCAATTCAGTTCCTCAAGCACTTTATTTTGT
 CGTCCATTTTCGGGAAAAAGTTCTTGCGTATAAGAGTCAACCTAGGAAAAAGGAGAGCCTT
 CTTACATGCTTAGCAGATCTTCCATAGCATAGCCACTCAGAAGAAAAAGGTTGGAGTA
 ATACCCCTAAGAAGTTCATCACAAGATTACGGAAGAAAAATGAGCTTTTTGACAACACTAC
 ATGCAACAAGATGCCCATGAATTCTTAAATTACCTACTAAATACAATTGCTGATATTTTA
 CAAGAAGAGAGAAAGCAGGAAAAACAAATGGTCGTTTACCTAATGGTAATATTGATAAT
 GAAAATAATAACAGCACACCAGACCCAACGTGGGTTTCATGAGATTTTTCAGGGAACATTA
 ACTAATGAAACCAGATGTCTTACTTGTGAACTATAAGCAGCAAAGATGAAGATTTTTTA
 GACCTTTCTGTTGACGTGGAACAAAATACATCAATTACTCACTGCTTAAGGGTTTCAGC
 AACACAGAAACTCTGTGCAGTGAATACAAGTATTACTGTGAAGAGTGTCCGAGCAAACAG
 GAAGCACACAAACGGATGAAAGTAAAAAACTGCCCATGATTCTAGCTCTACACCTGAAG
 AGATTTAAATATATGGATCAACTTCATCGATATACAAAATCTCTTACCGGGTAGTTTTT
 CCTTTAGAACTTCGTCTGTTTAACTTCAGGTGATGCCCAATCCAGACAGAATGTAC
 GACCTTGTGCTGTTGTGGTTCACTGTGGAAGTGGTCCCAATCGAGGCCATTATATTGCA
 ATAGTTAAGAGTCATGATTTTTGGTTGTTGTTGATGACGACATTGTAGAAAAATAGAT
 GCACAAGCTATTGAAGAATTCTACGGTTGACATCAGATATCTCAAAGAACTCTGAGTCT
 GGTACATCCTTTCTATCAGTCTCGGGACTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182488 unedited TCACATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCAGCG GCGGCCACGCGGGCTCGGTGGTTGGGTCCGCGCGGGCTCGGGTCCGCCCGGGGCTGCG GTGCGAGCGGGCGGCCCGGCTCCCTCCTCCCCCGCCCGCCCGCCGCTGTGATTGGGT GGAAGATGGCGCTGGCCGGATGGAATCCTAATGACAGTCTCAAATTCGCCTCCATCTG TACCATGGGCGCCAATGCTTCGGCATTAGAGAAAGAGATTGGTCCAGAACAGTTTCCGGT CAATGAGCACTATTTTGGATTAGTCAATTTTGGGAATACCTGCTACTGCAATTCAGTTCT TCAAGCACTTTATTTTTGTCGTCCATTTTCGGGAAAAAGTTCTTTCGTATAAGAGTCAACC TANGAAAAAGGAGAGCCTTCTTACATGCTTACCAGATCTTCCATAGCATAGCCCACTC AGAAGAAAAAGTTGGAGTAATACCCCTAAGAAGTTCATCACAAGATTACCGGGAAGA AATGAGCTTTTTGACCACTACTGGCCAACAGGATGCCCATGGAATTTCTTAAATTTAC CTTACTAAATACCAATTGCCTGGATTTTTACCAAGAAAGAATAGAAAAAGCCCGGAAA AACCAAAAATGGGTTCGTTTTACCTAAAGGGGAAAAATTTGGTAAAGGGAAAAATTA ATTAACAGGCCCCCCCGGAACCCCAAGTGGGTGTTCAATGGAGAAATTTTT
3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_182488 unedited TCGTGTGAAATCCGGGCCAGGAGAGGCACTGGNNNNNCGGGAGGGATGCCACCCGGGA TCTGTTACAGAAACAGCTATGATCGCGCCGCAATCTAGAGTCGAGTTTTTTGGTTTTTT TTTTTTTTTTTTTTTTTCACAAATAAACCAACTTAAATAGATATTATTTGTATTTATAT AGTGCCTTCTTCAAGAACCTTAAATGCTTTACAGACATTATCTCTAATTAATCCCAACA CAACCCTGTGAGGTAGGTATTACTCCATTTTACAAGACAGGGAGACTGAAGCACAGAGA GGTTAAGTGACTTGCCCAAGTACACAGTTAAATTCAGTAAAAAGCCAGGACATGAGCG CTTTAGCCTCCAGCTCCAGCCAAATACCTCATGATAGAATCTTTAATAAAAAGTGTTT TTAAGAAAAGTATCAAGAGTAGTTATGTTATGAAAATGAGGTCTTCTACTGCCATCAAG GAAAGAAAAAACCTATACTGATGGTTAGAGGCCCAAGCCACATAATACAACATTTT CCTTTTCCCTGGTCCCAAGCCTCCCGGTTTCCGGCTTAAAAAACCTTTTAAGGGGGA AATTTTCAAACGAAACCCCGGGGCTCTAAAAGAGGGGATTTACTTTAGAATAATCACT TTTAGTACAATAATTTAAAGAAATTTTATCCCATTTACCAAAATATGGGACAGCCTT CCCAACATTTTGTACATAGTTTCCACGGCATCCACCCCC
Restriction Sites:	Please inquire
ACCN:	NM_182488
Insert Size:	4500 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:	<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_182488.1</u> , <u>NP_872294.1</u>

RefSeq Size:	2392 bp
RefSeq ORF:	1113 bp
Locus ID:	219333
UniProt ID:	O75317
Cytogenetics:	13q12.13
Protein Families:	Druggable Genome, Protease
Gene Summary:	Deubiquitinating enzyme. Has almost no deubiquitinating activity by itself and requires the interaction with WDR20 and WDR48 to have a high activity (PubMed:19075014, PubMed:27373336). Not involved in deubiquitination of monoubiquitinated FANCD2 (PubMed:19075014). In complex with WDR48, acts as a potential tumor suppressor by positively regulating PHLPP1 stability (PubMed:24145035).[UniProtKB/Swiss-Prot Function]