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Product datasheet for SC309922

USP19 (NM_006677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP19 (NM_006677) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP19
Synonyms:	ZMYND9
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_006677 edited
ATGTCTGGCGGGGCCAGTGCCACAGGCCCAAGGAGAGGGCCCCCAGGACTGGAGGACACC
ACTAGTAAGAAGAAGCAGAAGGATCGAGCAAACCAGGAGAGCAAGGATGGAGATCCTAGG
AAAGAGACAGGGTCTCGATATGTTGCCCAGGCTGGTCTTGAACCTCTGGCCTCAGGTGAT
CCTTCTGCCTCAGCCTCCCATGCAGCTGGGATCACAGGCTCACGCCACCGTACCCGGCTG
TTCTTTCCTTCATCGTCAGGGTCAGCATCCACTCCTCAAGAGGAGCAGACCAAAGAGGGA
GCTTGTGAAGACCCTCATGATCTCTTGGCTACTCCCACTCCAGAGTTGTTGCTCGATTGG
AGGCAGAGTGCAGAAGAGGTGATTGTCAAGCTTCGTGTGGGAGTAGGTCCCCTGCAGCTG
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CGGGAACTCCGGGACTTCTTCCATGACCGCTCCTTTGAGGCTGAGATCAACTACAACAAC
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AAGGGCACCCACCATGCCTTCCAGCCTTCCAAGTTGAAGGCCATTGTGGCGAGTAAGGCC
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CGTGGCCCTACCACACCAGATGAGGGCTGCCTCCGGTACTTTGTCCTGGGCACCGTGGCG
GCTTTGGTGGCCCTCGTGCTCAACGTGTTCTATCCTCTGGTATCCCAGAGTCGCTGGAGA
TGA

Restriction Sites: Please inquire

ACCN: NM_006677

Insert Size: 4600 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_006677.1, NP_006668.1
RefSeq Size:	4401 bp
RefSeq ORF:	3957 bp
Locus ID:	10869
UniProt ID:	O94966
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. This protein is a ubiquitin protein ligase and plays a role in muscle wasting. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017] Transcript Variant: This variant (4) lacks an in-frame exon in the CDS, as compared to variant 1. The resulting isoform (4) lacks an internal segment, as compared to isoform 1.