

Product datasheet for **SC320714**

USP14 (NM_005151) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP14 (NM_005151) Human Untagged Clone
Tag:	Tag Free
Symbol:	USP14
Synonyms:	TGT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_005151.3
GTTTGAATGAGACTCGTCGCACCGAAGCCGCCACCACCGCGCCTCCGCCTCGGCCGC
CGCCGCAGCTGCTCCTGGTCCCCGTCCCTTTGCCGCCCTCGTCAGGCCAGCTCCTCTGC
GCCGCCGCTCCCGCCGCCCCGCCATGCCGCTCTACTCCGTTACTGTAATGGGGAA
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TGGGGTCAGCAGATGCTCTTCCAGAAGAACCCTCAGCCAAAACCTGCTTGTAGAAAGACA
TGACAGAAGAACAGTTAGCATCTGCTATGGAGTTACCATGTGGATTGACAAAACCTTGGA
ACACTTGTACATGAATGCCACAGTTCAGTGTATTCGTTCTGTGCCTGAACTCAAAGATG
CCCTTAAAGGTATGCAGGTGCCTTGAGAGCTTCAGGGGAAATGGCTTCAGCGCAGTATA
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AAGGACAGTATCTCAACAGGATGCTAATGAATGTTGGATACAAATGATGCGAGTATTGC
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CGGCAGCGACACCTTCTAAAAGAAAAGTTAATCGATCAGTTCTTCGGTGTGAGTTTG
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CCAATAATTGTGGATACTATGACTTACAAGCAGTACTAACACACCAGGGAAGGTCTAGTT
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CATTTGGAACAAAAGAGGACAGAAGCAGACCCTCTGTGCACCAACCTAAAAATACAG
AGAAGAGAAAATATCTTTGGATTGTGCTGCCCTATATAAAGGTGCGAGAAAGACATTTT
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CCCAGCACTTTGGGAGGCTGAGGCAGGTGGTTCAGTGGAGTTGAGTTCCAGACCAGCCT
GGCCACATGGTGAACCCCTGTCTCTACTAAAGATATAAAAATAGCTGGATGTGGTGGTG
CACACCTGTGATCCCAGCTACTTGGGAGGCTGAGGTGGGAGAATTGCTTGAACCTGGAAG
GCAGAAGTTGCAGTGAGCTGAGATCACACCACTGCACTCCAGCCTGGGTGACAGAGAGAC
TCTGTCTCAAAAAAAAAAAAAAAAAA
    
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Restriction Sites:	Please inquire
ACCN:	NM_005151
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_005151.3</u> , <u>NP_005142.1</u>
RefSeq Size:	4156 bp
RefSeq ORF:	1485 bp
Locus ID:	9097
UniProt ID:	<u>P54578</u>
Cytogenetics:	18p11.32
Domains:	UBQ, UCH
Protein Families:	Druggable Genome, Protease
Gene Summary:	<p>This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>