

Product datasheet for **SC302664**

USP48 (NM_001032730) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: USP48 (NM_001032730) Human Untagged Clone
Tag: Tag Free
Symbol: USP48
Synonyms: RAP1GA1; USP31
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001032730, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCGCGGCTGCAGCTGGAGAAGGCGGCCTGGCGCTGGGCGGAGACGGTGC GGCC  
GAGGAGGTGTGCGCAGGAGCACATCGAGACCGCTTACCGCATCTGGCTGGAGCCCTGCATT  
CGCGGCGTGTGCAGACGAAACTGCAAAGGAAATCCGAATTGCTTGGTTGGTATTGGTGAG  
CATATTTGGTTAGGAGAAATAGATGAAAATAGTTTTTCATAACATCGATGATCCCAACTGT  
GAGAGGAGAAAAAGAAGCTCATTGTGGGCTGACTAACCTTGGAGCCACTTGTATGTC  
AACACATTTCTCAAGTGTGGTTTCTCAACTTGGAGCTTCGGCAGGCACTCTACTTATGT  
CCAAGCACTTGTAGTGACTACATGCTGGGAGACGGCATCCAAGAAGAAAAAGATTATGAG  
CCTCAAACAATTTGTGAGCATCTCCAGTACTTGTTCCTTGGCTTGTGCAAAAACAGTAATAGG  
CGATACATTGATCCATCAGGATTTGTTAAAGCCTTGGGCTGGACTGGACAACAGCAG  
GATGCTCAAGAATTTTCAAAGCTCTTTATGTCTCTATTGGAAGATACTTTGTCTAAACAA  
AAGAATCCAGATGTGCGCAATATTGTTCAACAGCAGTTCTGTGGAGAATATGCCTATGTA  
ACTGTTTGCAACCAAGTGTGGCAGAGAGTCTAAGCTTTTGTCAAAATTTTATGAGCTGGAG  
TTAAATATCCAAGGCCACAAACAGTTAACAGATTGTATCTCGGAATTTTGAAGGAAGAA  
AAATTAGAAGGAGACAATCGCTATTTTTGCGGAGAACTGTCAAAGCAAACAGAATGCAACA  
AGAAAGATTCGACTTCTTAGCCTTCTTGCCTTGCCTTGAACCTTGCAGCTAATGCGTTTTGTC  
TTTGACAGGCAAACCTGGACATAAGAAAAAGCTGAATACCTACATTGGCTTCTCAGAAATT  
TTGGATATGGAGCCTTATGTGGAACATAAAGGTGGGTCCTACGTGTATGAACTCAGCGCA  
GTCCTCATACACAGAGGAGTGAGTGCTTATTCTGGCCACTACATCGCCACGTGAAAGAT  
CCACAGTCTGGTGAATGGTATAAGTTTAAATGATGAAGACATAGAAAAGATGGAGGGGAAG  
AAATTACAACAGGATGAGGAAGATCTAGCAGAACCTTCTAAGTCTCAGACACGTAA  
CCCAAGTGTGGCAAAGGAACTCATTGCTCTCGAAATGCATATATGTTGGTTTATAGACTG  
CAAACCTCAAGAAAAGCCCAACACTACTGTTCAAGTTCAGCCTTTCTTCAAGAGCTGGTA  
GATCGGGATAATCCAAATTTGAGGAGTGGTATTGAAATGGCTGAGATGCGTAAGCAA  
AGTGTGGATAAAGGAAAAGCAAACACGAAGAGGTTAAGGAGCTGTACCAAGGTTACCT  
GCTGGAGCTGGTCTGTAA
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Restriction Sites: Please inquire
ACCN: NM_001032730



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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_001032730.1</u> , <u>NP_001027902.1</u>
RefSeq Size:	2421 bp
RefSeq ORF:	1458 bp
Locus ID:	84196
UniProt ID:	<u>Q86UV5</u>
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<p>This gene encodes a protein containing domains that associate it with the peptidase family C19, also known as family 2 of ubiquitin carboxyl-terminal hydrolases. Family members function as deubiquitinating enzymes, recognizing and hydrolyzing the peptide bond at the C-terminal glycine of ubiquitin. Enzymes in peptidase family C19 are involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region, compared to variant 1. The encoded isoform (b) is much shorter and has a distinct C-terminus compared to isoform a.</p>