

## Product datasheet for SC125271

### USP38 (NM\_032557) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** USP38 (NM\_032557) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** USP38  
**Synonyms:** HP43.8KD  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_032557 edited  
GGCTCTCCTGCCACCTCGGGGCTGCCGCCACCCGCTCCTTATCCCCTGGCCCTGGCCT  
TGCAGCGTGGCGACAATGGACAAGATCCTGGAGGGCCTTGTGAGTTCCTCGCATCCCCTG  
CCCCTCAAGCGGGTGATTGTGCGGAAGGTGGTGAATCGGCGGAGCACTGGCTAGACGAG  
GCGCAGTGCGAGGCCATGTTTGACCTGACGACCCGGCTCATCCTGGAGGGCCAGGACCCT  
TTCCAGCGGCAGGTGGGGCACCAGGTGCTGGAGGCCTACGCACGATACCACCGGCCAGAG  
TTCGAGTCCTTCTCAACAAGACCTTCGTGTTGGGCTCCTTCATCAGGGCTACCACTCT  
CTGGACAGGAAGGATGTAGCCATCCTGGACTACATTCACAACGGCCTGAAGCTGATTATG  
AGCTGTCCGTCCGTGCTGGATCTCTTTAGCCTCCTGCAGGTAGAGGTGTTACGGATGGT  
TGTGAGAGGCCGGAGCCGAGCTCTGTGCCGACTGAGCGACCTTCTGACCGACTTTGTG  
CAATGCATCCCCAAGGGGAAATTGTCCATCACGTTCTGTCAACAGCTGGTTCGAACGATA  
GGCCATTTCCAGTGCGTGTCCACCCAGGAAAGAGAGCTGCGGGAATATGTCTCCCAGGTG  
ACAAAAGTGAGTAACTTGCTGCAGAACATCTGGAAGGCCGAGCCTGCCACACTACTGCCT  
TCCCTGCAAGAAGTTTTTGCAAGCATCTCTCCACAGATGCATCATTTGAACCTTCTGTA  
GCATTGGCAAGCCTTGTGCGAGCATATTCCTCTTCAGATGATTACAGTTCTCATCAGGAGC  
CTTACTACGGATCCAAATGTAAAAGATGCAAGTATGACCCAAGCCCTTTCAGAAATGATT  
GACTGGCTATCCTGGCCATTGGCTCAGCATGTGGATACATGGGTAATTGCACTCCTGAAA  
GGACTGGCAGCTGTCCAGAAGTTTACTATTTTGATAGATGTTACTTTGCTGAAAAATAGAA  
CTGGTTTTTAATCGACTTTGGTTTCCTCTGTGAGACCTGGTGCCTTTCAGTTCTTTCT  
CACATGCTGCTTAGCTTTTCAGCATTCTCCAGAGGCGTTCCATTTGATTGTTCTCATGTG  
GTTAATTTGGTTCATTCTTTCAAAAATGATGGTCTGCCTTCAAGTACAGCCTTCTTAGTA  
CAATTAACAGAATTGATACACTGTATGATGATCATTATTCTGGATTTCCAGATCTCTAT  
GAACCTATTCTGGAGGCAATAAAGGATTTTCCTAAGCCCAGTGAAGAGAAGATTAAGTTA  
ATTCTCAATCAAAGTGCCTGGACTTCTCAATCCAATTCTTTGGCGTCTTGCTGTCTAGA  
CTTTCTGAAAACTGAAACTGGGAAAACCTGGTCTTATTAACCTAGGAAAATACATGTTAT  
ATGAACAGTGTTATACAAGCCTTGTATGGCCACAGATTTCCAGGAGACAAGTATTATCT  
TTAAATCTAAATGGGTGCAATTCATTAATGAAAAAATTACAGCATCTTTTGCCTTCTG



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GCCCATACACAGAGGGAAGCATACGCACCTCGGATATTCTTTGAGGCTTCCAGACCTCCA  
 TGGTTTACTCCCAGATCACAGCAAGACTGTTCTGAATACCTCAGATTTCTCCTTGACAGG  
 CTCCATGAAGAAGAAAAGATCTTGAAAGTTCAGGCCTCACACAAGCCTTCTGAAATTCG  
 GAATGCAGTGAACCTCTTTACAGGAAGTAGCTAGTAAAGCAGCAGTACTAACAGAGACC  
 CCTCGTACAAGTGACGGTGAGAAGACTTTAATAGAAAAATGTTTGAGGAAAACTACGA  
 ACTCACATACGTTGTTTGAAGTGCAGGAGTACCTCACAAAAAGTGAAGCCTTTACAGAT  
 CTTTCGTTGCCTTTTGCCTTCTCTTTGGAAAAACATGTCTGTCCAAGATCCAGCA  
 TCATCACCCAGTATAACAAGATGGTGGTCTAATGCAAGCCTCTGTACCCGGTCTTCAGAA  
 GAACCAAGTATTATAATCCAACAACAGCTGCCTTCATCTGTGACTCACTTGTGAATGAA  
 AAAACCATAGGCAGTCTCCTAATGAGTTTTACTGTTCTGAAAACACTTCTGTCCCTAAC  
 GAATCTAACAAAGATTCTGTAAATAAAGATGTACCTCAGAAACCAGGAGGTGAAACCACA  
 CCTTCAGTAACTGACTTACTAAATTATTTTTGGCTCCAGAGATTCTTACTGGTGATAAC  
 CAATATTATTGTGAAAACGTGCCTCTCTGCAAAATGCTGAGAAAATATGCAAAACAG  
 GAGGAACCTGAATACCTTATTCTTACTCTCCTGAGATTTTCATATGATCAGAAGTATCAT  
 GTGAGAAGGAAAAATTTAGACAATGTACTGCCACTGGTTTTGGAGTTGCCAGTTAAA  
 AGAATTACTTCTTCTCATTGTGCAAAAGTTGGTCTGTAGATGTTGACTTCACTGAT  
 CTTAGTGAGAACCTTGCTAAAAAATTAAGCCTTCAGGGACTGATGAAGCTTCTGCACA  
 AAATTGGTGCCCTATCTATTAAGTTCGGTTGTGGTTCACTCTGGTATATCCTCTGAAAGT  
 GGGCATTACTATTCTTATGCCAGGAATATCACAAAGTACAGACTCTTCATATCAGATGTAC  
 CACCAGTCTGAGGCTCTGGCATTAGCATCCTCCAGAGTCATTTACTAGGGAGAGATAGT  
 CCCAGTGCAGTTTTTGAACAGGATTTGGAAAATAAGGAAATGTCAAAAAGAAATGGTTTTA  
 TTTAATGACAGTAGAGTGACATTTACTTCAATTCAGTCAGTCCAGAAAATTACGAGCAGG  
 TTTCCAAAGGACACAGCTTATGTGCTTTTGTATAAAAAACAGCATAGTACTAATGGTTTA  
 AGTGGTAATAACCCAACCAAGTGGACTCTGGATAAATGGAGACCCACCTCTACAGAAAAGAA  
 CTTATGGATGCTATAACAAAAGACAATAAACTATATTTACAGGAACAAGATTGAATGCT  
 CGAGCCCGGGCCCTCCAAGCTGCATCTGCTTCATGTTTCAATTTTCGGCCCAATGGATTTGAT  
 GACAACGACCCACCAGGAAGCTGTGGACCAACTGGTGGAGGGGGTGGAGGAGGATTTAAT  
 ACAGTTGGCAGACTCGTATTTTATCCTGAGAGAGTCCAAAATGCACTGGTCACGAAACG  
 TCTAATACTATGACTGTTAAAAATGTCAGACTATAACAAAATATCTATCTTTATTTTTTCAT  
 TAGACCTTATACTTCAAGAGAACACACTCAGTCTGTTTTTATTTTTCTTGACACATTT  
 ATTAACAAAATGCATCATGGAAAAAAAATCTACCTCTTAAAATCCATTTGCTTTTATG  
 GTTAGACATGCTTGACCA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032557 unedited  
 TTTGTAATACGACTCACTTATAGGGCGCCGCGATTTCGGCAGGAGGCTCTCCTGCCCCA  
 CCTCGGGGCTGCCGCCACCCGCTCCTTATCCCCTGGCCCTGGCCTTGACGCGTGGCGACA  
 ATGGACAAGATCCTGGAGGGCCTTGTGAGTTCCCTCGCATCCCCTGCCCTCAAGCGGGTG  
 ATTGTGCGGAAGGTGGTGAATCGGCGGAGCACTGGCTAGACGAGGCGCAGTGGCAGGCC  
 ATGTTTGACCTGACGACCCGGCTCATCCTGGAGGGCCAGGACCTTTCCAGCGGCAGGTG  
 GGGCACCAGGTGCTGGAGGCCTACGCACGATACCACCGGCCAGAGTTCGAGTCTTCTTC  
 AACAAAGACCTTCTGTGGGCTCCTTCATCAGGGCTACCACTCTCTGGACAGGAAGGAT  
 GTAGCCATCCTGGACTACATTCACAACGGCCTGAAGCTGATTATGAGCTGTCCGTGCGTG  
 CTGGATCTCTTAGCCTCCTGCAGGTAGAGGTGTACGGATGGTGTGTGAGAGGCCGGAG  
 CCGCATCTCTGTGCCGACTGAGCGACCTTCTGACCGACTTTGTGCAATGCATCCCCAGG  
 GGAATTTGTCATCACGTTCTGTCAACAGCTGGTTCGAACGATAGGCCATTTCCAGTGCG  
 TGCTGCCAGACATCTGGAAGGCCGAGCCTGCCACACTACTGGCCTTCTAGCAGAAAAGTTT  
 TGCAAGCATCTCTCCACAGATGCATATTTGACCCTCTGTAGCATTGGCAAGCCTTGTG  
 CAGCATATTTCTTCTCAGATGAATACAGNTCTCATCAGAGCCTACTACGGATCCAAATGT  
 AAAGATGCAGATGACCCAGGCCTTTGCAGATGGATGG

**Restriction Sites:**

NotI-NotI

<b>ACCN:</b>	NM_032557
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_032557.4</a></u> , <u><a href="#">NP_115946.2</a></u>
<b>RefSeq Size:</b>	4684 bp
<b>RefSeq ORF:</b>	3129 bp
<b>Locus ID:</b>	84640
<b>UniProt ID:</b>	<u><a href="#">Q8NB14</a></u>
<b>Cytogenetics:</b>	4q31.21
<b>Domains:</b>	UCH
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Gene Summary:</b>	<p>Deubiquitinating enzyme exhibiting a preference towards 'Lys-63'-linked ubiquitin chains. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>