

Product datasheet for **SC100069**

ZUP1 (NM_145062) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZUP1 (NM_145062) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZUP1
Synonyms:	C6orf113; DUB; ZUFSP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100069 sequence for NM_145062 edited (data generated by NextGen Sequencing)

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ATGCTTTCCTGTAATATTTGTGGTGAACAGTAACCTCAGAACCAGACATGAAAGCTCAC
CTAATTGTTACATGGAAAGTGAATTATATGTCCATTTTGCAAGTTGTCAGGTGTGAAT
TATGATGAAATGTGTTTTATATCGAAACAGCTCATTTTGAGCAGAATACACTTGAAAGA
AACTTTGAGAGGATAAATACAGTACAATATGGAACCTCAGATAACAAGAAAGACAACACC
CTACAGTGTGGAATGGAAGTTAATTCAAGTATTCTTTTCAGGTTGTGCATCTAATCATCCA
AAAAATTCAGCTCAAAACCTGACTAAAGATAGTACTTTAAAAACATGAAGGCTTCTATTCA
GAGAACTTAAGTAACTAGAAAATTCCTGAAAAGTAGGGAAAAACAGTCCAGCCTGACC
GAAATAAAAGGATCTGTTTATGAAAACACATACAGTCTCCTGAATGTCCATTCTGTGGA
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TTAGACATTCCATTGGAAGACTGTGATCAACCACTCTATGATTGCCTATGTGTGGGCTC
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TTTCAGCAAGGCATGGATAGAGTCCAGTGTCTGGTGATCTACAATTTGGCTCACCAGCTT
CAGCAAGAAGAAGACAGAAAGAGGAGATCTGAAGAATCAAGACAAGAAATAGAAGATTT
CAGAAGCTGCAGAGACAATATGGTTTAGATAATTCTGGAGGATACAAACAACAACACTA
CGAAATATGGAGATAGAAGTAAATAGGGGAAGAATGCCTCCATCTGAATTTCATAGGAGA
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GGAATTATTGAAGCACTTCATAGGTATTATCAGAATGCTGCCACAGATGTGAGACGGGTG
TGGCTTTCTTCAGTGGTGGATCACTTTTCATTTCATCTTTAGGCGACAAAGTTGGGGTTGT
GGTTACAGAAATTTCCAAATGCTACTTTTCATCATTATTACAAAATGATGCTTACGACGAT
TGCTTAAAAGGTATGTTGATTCTTGCATTCCAAAAATCAATCTATGATTGAAGATGCA
TGAAGGAAGTTTTGATCCTCAGGGGCCTCTCAACTTAATAACAGGTTACAGGGAACA
AAGGCCTGGATTGGAGCATGTGAAGTATATATACTCCTGACCTCCCTAAGGGTAAAGTGT
CATATTGTTGATTTTACAAAATCAACTGGTCTTTGGGTACACACCCTCGCTTATTTGAA
TGGATATTGAACTATTATTCTTCAGAGGGAGAAGGGAGTCCAAAGGTAGTGTGTACATCT
AAACCTCTATCTATCTTCAGCATCAAGGTCACAGTCAAGTCTGTTATTGGAATTGAAGAG
AAAAAAAACCGAACATTATGCTTACTAATACTTGATCCTGGATGCTCTTCTCGAGAAATG
CAGAAATTATTAAGCAAGACATAGAGGCTAGCAGTCTCAAGCAACTTCGAAATCTATG
GGAAATTTAAAACATAAGCAATACCAGATATTGGCAGTAGAGGGTCTCTTTCTCTAGAG
GAGAACTTGCCAGGAGACAAGCTTCTCAAGTCTTTACAGCCGAGAAGATTCCTTGA
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Clone variation with respect to NM_145062.2
1135 a=>g

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145062 unedited</p> <pre>GGATTTTGTAAATACGACTTACTATAGGGCGGCCGCAATTCCGGCACGAGGGCCAAGTGT GGAAGTTCCTAATTCTTTCTCGGTTAACTGTGAAACTCTGCGTATTGGGAAGGCCTGGC CTCAGTCATCAGGCCAGGAGAGGTACTGGACGCCGCGCACGCACTCGTCTGCCAGCGAGG CCCAAAGGGGAAGCCTAGCGGAGCTCAGTGTGGCAGCTGCTGGCCTCTGGGCCGCTACTT GTCAATAACCATGCTTTCTGTAATATTTGGTGAACAGTAACCTCAGAACCAGACATG AAAGTCACCTAATTGTTCCATGGAAAGTGAAATTATATGTCCATTTTGCAAGTTGTCA GGTGTGAATTATGATGAAATGTGTTTTTCATATCGAAACAGCTCATTTTGAGCAGAATACA CTTGAAAGAACTTTGAGAGGATAAATACAGTACAATATGGAACCTCAGATAACAAGAAA GACAACACCCTACAGTGTGGAATGGAAGTTAATTCAAGTATTCTTTCAGTTGTGCATCT AATCATCCAAAAAATTCAGCTCAAAACCTGACTAAAGATAGTACTTTAAAAACATGAAGGC TTCTATTCAGAGAACTTAACTGAATCTAGAAAATTCCTGAAAAGTAGGGAAAAACAGTCC AGCCTGACCGAAATAAAAGGATCTGTTTATGAAACAACATACAGTCTCCTGAATGTCCA TTCTGTGAAAAATAGAGGAGCACAGTGAAGATATGGAACCTCATGTGAAACAAAGCATG CCAATCTTTTAGACATTCCATTGGAAGACTGTGATCAACCACTCTATGATTGNCCTATGT GTGGGCTCATATGTACAAAATACATATTCTTCAGAACATGTTGACTTGCAATTTGGAAGAA ACAGCTTCANCAGGCTGGATAGAGTCATGGTCCTGTGATCTACATGGGCTACAGCTCACA GAGAGACGANGGAGGCTGAGATCAGAAGAATGAGAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145062 unedited</p> <pre>GTAATCTATGNACCGCGCCCGCATTTTANGATCGAGTTTTTTTTTTTTTTTTTTTTTGC AAAAACAAGACATTTTATTGAAATAATTTACCAACAATGAAGTATGATAGGTATAATTC AATTAACACAGGCATTTTAGAAATTAATTTATATGTTAAGACTTAAGAGAATTCACAGAT TCATAATTGTATTAAGGAGTTCAATATCTACATTTAGAAAACAAAGTATTGTTCTCAATC ACTGAAATGCTTAAATGCTTGATTCTTCAAGGAATCTTCTCGGCTGTAAGACTTGAGAA GCTTGTCTCCTGGCAAGTTTCTCCTCTAGAGAAAGAGCACCTCTACTGCCAATATCTGG TATTGCTTATGTTTTAAATTTCCCATAGATTTCCGAAGTTGCTTGAGACTGCTAGCCTCT ATGTCTTGCTTAAATAATTTCTGCATTTCTCGAGAAGGACATCCAGGATCAAGTATTAGT AAGCATAATGTTTCGGTTTTTTTTCTTCAATTTCAATAACAGTTCGACTGTGACCTTGA TGCTGAAGATAGATAGGAGGTTTAGATGTACACACTACCTTTGGACTCCCTTCTCCCTCT GAAGAATAATAGTTCAATATCCATTCAAATAAGCGAGGGTGTGTACCCAAAGGACCAAGTT GATTTGTGAAAATCAACAATATGACACTTTACCCTTAGGGAGGTCAGGAGTATATACT TCACATGCTCCAATCCAGGCCTTTGATTCCCTGTAACCTGTTATTAAGTTGAGAGGCCCC CCTGAGATCAAAACCTTCCCTCCATGCATCTTTCATCATAGATTGAATTTTGAATGCA AGGAATCAACATACCTTTAAAGCATCGTCGTAGCATCATTTTTGAATATGATGAAAGTG GCATTTGGGAAATTTGTACCACAACCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145062
Insert Size:	2200 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:

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_145062.1](#), [NP_659499.1](#)

RefSeq Size: 2197 bp

RefSeq ORF: 1737 bp

Locus ID: 221302

UniProt ID: [Q96AP4](#)

Cytogenetics: 6q22.1

Domains: zf-C2H2

Gene Summary: This gene encodes a protein containing zinc finger motifs and a cysteine peptidase domain. The encoded protein functions as a K63-specific de-ubiquitinating enzyme that specifically cleaves long K63-linked polyubiquitin chains in the middle of a chain (i.e. "endo cleavage") rather than by removing the terminal ubiquitin from a chain. This enzyme is thought to be involved in the regulation of DNA repair by cleaving K63-linked ubiquitin chains at repair foci. This protein is related to proteases for the ubiquitin-like modifiers Ufm1 (ubiquitin fold modifier 1) and Atg8/Gabarapl2, but does not have any activity on these modifiers. [provided by RefSeq, Mar 2018]