

Product datasheet for **SC324661**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_145062.1
 GGAAGTGCCTTTGAATGAGGTAAGTACTGAGGGCCAAGGTGTTGGAAGTTCCTAATCTTTCT
 CCGTAACTGTGAAACTCTGCGTATTGGGAAGGCTGGCCTCAGTCATCAGGCCAGGAGA
 GGTACTGGACGCCGCGCACGCACTCGTCTGCCAGCGAGGCCAAAGGGGAAGCCTAGCGG
 AGCTCAGTGTGGCAGTCTGCTGGCCTCTGGGCCGCTACTTGTCAATACCATGCTTTCTGT
 AATATTTGGTGAACAGTAACCTCAGAACCAGACATGAAAGCTCACCTAATTGTTTCCAC
 ATGGAAAGTGAATTATATGTCATTTTGCAAGTTGTCAGGTGTAATTATGATGAAATG
 TGTTTTCATATCGAAACAGTCTATTTTGAGCAGAATACACTTGAAAGAACTTTGAGAGG
 ATAAATACAGTACAATATGGAACCTCAGATAAACAAGAAAGACAACACCCTACAGTGTGA
 ATGGAAGTTAATCAAGTATTCTTTAGGTTGTGCATCTAATCATCCAAAAAATTCAGCT
 CAAAACCTGACTAAAGATAGTACTTTAAAAACATGAAGGCTTCTATTAGAGAACTTAAC
 GAATCTAGAAAATTCCTGAAAAGTAGGGAAAAACAGTCCAGCCTGACCGAAAATAAAGGA
 TCTGTTTATGAAACAACATACAGTCTCCTGAATGTCCATTCTGTGAAAAATAGAGGAG
 CACAGTGAAGATATGGAACCTCATGTGAAAACAAGCATGCCAATCTTTTAGACATTCCA
 TTGGAAGACTGTGATCAACCACTCTATGATTGTCCTATGTGTGGGCTCATATGTACAAAT
 TACCATATTCTTCAGGAACATGTTGACTTGCATTTGGAAGAAAACAGCTTTCAGCAAGGC
 ATGGATAGAGTCCAGTGTCTGGTGATCTACAATTGGCTCACCAGCTTCAGCAAGAAAGAA
 GACAGAAAGAGGAGATCTGAAGAATCAAGACAAGAAATAGAAGAAATTCAGAAGCTGCAG
 AGACAATATGTTTAGATAAATCTGGAGGATACAAACAACAACACTACGAAATATGGAG
 ATAGAAGTAAATAGGGGAAGAATGCCTCCATCTGAATTCATAGGAGAAAAAGCTGATATG
 ATGGAATCATTAGCTCTTGGTTTGACGATGAAAAACAACAACTTCCGGAAATATTGAA
 GCACCTCATAGGTATTATCAGAATGCTGCCACAGATGTGAGACGGGTGTGGCTTTCTTCA
 GTGGTGGATCACTTTCATTCATTTAGGCGACAAAGTTGGGTTGTGGTTACAGAAAT
 TTCCAAATGCTACTTTTCATCATTATTACAAAATGATGCTTACAACGATTGCTTAAAGGT
 ATGTTGATTCTTGCATTCCAAAAATTCATCTATGATTGAAGATGCATGGAAGGAAGGT
 TTTGATCCTCAGGGGCTCTCAACTTAATAACAGGTTACAGGGAACAAAGGCTGGATT
 GGAGCATGTGAAGTATATACTCCTGACCTCCCTAAGGGTAAAGTGTATATTGTTGAT
 TTTACAAATCAACTGGTCTTTGGGTACACACCCTCGCTTATTTGAATGGATATTGAAC
 TATTATTCTTCAGAGGGAGAAGGGAGTCCAAAGGTAGTGTGTACATCTAAACCTCTATC
 TATCTTCAGCATCAAGGTCACAGTCAACTGTTATTGGAATTGAAGAGAAAAAAACCGA
 ACATTATGCTTACTAATACTTGTCTGGATGTCCTTCTCGAGAAATGCAGAAATTTATTA
 AAGCAAGACATAGAGGCTAGCAGTCTCAAGCAACTTCGGAAATCTATGGGAAATTTAAAA
 CATAAGCAATACCAGATATTGGCAGTAGAGGGTCTCTTCTCTAGAGGAGAACTTGCC
 AGGAGACAAGCTTCTCAAGTCTTACAGCCGAGAAGATTCCTTGAAGAATCAAGCATTTA
 AGCATTTCAGTGATTGAGAACTAATCTTTGTTTCTAAATGTAGATATTGAACCTCTTAA
 TACAATTATGAATCTGTGAATCTCTTAAGTCTTAACATATAATTTAATTTCTAAATGC
 CTGTGTTAATTGAATTATACCTATCATACTTCAATGTTGGTAAATTTTCAATAAAAT
 GTCTTGTTTTGCATTGTGAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_145062

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:	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:	<p>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]</p>