

## Product datasheet for **SC322688**

### ZNF175 (NM\_007147) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF175 (NM_007147) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF175
Synonyms:	OTK18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for SC322688  
 AGTGGATCTAAGCCTATGTCGCTTACTGGACGCTGAAGTGATTGGGAATATTAGCAGTGG  
 GGGTTCTGTAGGGTCAGGAAGGGGCGGCTGGCTTTGGGGAGTGATGAGGGGCTTGTGG  
 GGGTGGGGGTGCGTGATAAAGGGATTTCTCGGCTGAAGACGAGGCTGTGAGGCTTCTGCA  
 GAACCCCAAGGTCAGGCCACATCATTGAGGCTGCAGGATCTCTTTCATAGCCCAGTACG  
 ACTCTCCGCGTGTCCCTGGTTGAAAAATCCAAACACCTATCCAGCTTCTGGCTCCTGGG  
 AAAAGTGGAGTTGTCAGCAAGAGAGACCGAGAGTAGAAGCCAGAGTGGAGATGCCTGCT  
 GATGTGAATTTATCCCAGAAGCCTCAGGTCCTGGGTCCAGAGAAGCAGGATGGATCTTGC  
 GAGGCATCAGTGCATTTGAGGACGTGACCGTGGACTTCAGCAGGGAGGAGTGGCAGCAA  
 CTGGACCCTGCCAGAGATGCCTGTACCGGGATGTGATGCTGGAGCTCTATAGCCATCTC  
 TTCGCAGTGGGGTATCACATTCCAACCCAGAGGTCATCTTCAGAATGCTAAAAGAAAAG  
 GAGCCGCGTGTGGAGGAGGCTGAAGTCTCACATCAGAGGTGTCAAGAAAGGGAGTTTGGG  
 CTTGAAATCCCAAAAAGGAGATTTCTAAGAAAGCTTCATTTCAAAGGATATGGTAGGT  
 GAGTTCACAAGAGATGGTTCATGGTGTCCATTTTAGAAGAACTGAGGCTGGATGCTGAC  
 CGCACAAGAAAGATGAGCAAAATCAAATTCACCCATGAGTCCAGTGCCTTTCTTCAAC  
 AAGAAAACATTGAACACAGAAAGCAATTGTGAATATAAGGACCCCTGGGAAAATGATTGCG  
 ACGAGGCCCCACCTTGCTTCTTTCAGAAAACAACCTCAGAAATGTTGCTTATTTACAGAA  
 AGTTTGAAGCTGAACCTAGAAGTGAACGGTCAGAATGAAAGCAATGACACAGAACAGCTT  
 GATGACGTTGTTGGGCTGGTCAGCTATTCAGCCATAGCTCTTCTGATGCCTGCAGCAAG  
 AATATTATACAGGAGAGACATTTTGCAAAGGTAACCAGTGTAGAAAAGTCTGTGGCCAT  
 AAACAGTCACTCAAGCAACATCAAATTCATACTCAGAAGAAACCAGATGGATGTTCTGAA  
 TGTGGGGGAGCTTACCAGAAAGTACACCTCTTTGCCAACAGAGAATTCATAGTGTA  
 GGAAACCTCCATGAATGTGGCAAATGTGGAAAAGCCTTCATGCCACAACAAAACCTCAGT  
 GTATATCTGACAGATCATACAGGTGATATACCCTGTATATGCAAGGAATGTGGGAAGGTC  
 TTTATTGAGAGATCAGAATTGCTTACGCACCAGAAAACACACACTAGAAAAGAAGCCCTAT  
 AAATGCCATGACTGTGGAAAAGCCTTTTTCCAGATGTTATCTCTCTTCAGACATCAGAGA  
 ACTCACAGTAGAGAAAACCTCTATGAATGCAGTGAATGTGGCAAAGGCTTCTCCCAAAAC



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TCAACCTCATTATACATCAGAAAATTCATACTGGTGAGAGACAGTATGCATGCAGTGAA  
TGTGGGAAAGCCTTTACCCAGAAGTCAACACTCAGCTTGACCAGAGAATCCACTCAGGG  
CAGAAGTCCTATGTGTGTATCGAATGCGGGCAGGCCTTCATCCAGAAGGCACACCTGATT  
GTCCATCAAAGAAGCCACACAGGAGAAAAACCTTATCAGTGCCACAACCTGTGGAAATCC  
TTCATTTCCAAGTCACAGCTTGATATACATCATCGAATTCATACAGGGGAGAAACCTTAT  
GAATGCAGTGACTGTGGAAAAACCTTCACCCAAAAGTCACACCTGAATATACACCAGAAA  
ATTCATACTGGAGAAAGACACCATGTATGCAGTGAATGCGGGAAAGCCTTCAACCAGAA  
TCAATACTCAGCATGCATCAGAGAATTCACACCGGAGAGAAGCCTTACAATGCAGTGAA  
TGTGGGAAAGCCTTCACTTCTAAGTCTCAATTCAAAGAGCATCAGCGAATTCACACGGGT  
GAGAAACCTATGTGTGCACTGAATGTGGGAAGGCCTTCAACGGCAGGTCAAATTTCCAT  
AAACATCAAATAACTCACACTAGAGAGAGGCCTTTTGTCTGTTACAAATGTGGGAAGCT  
TTTGTCCAGAAATCAGAGTTGATTACCCATCAAAGAACTCACATGGGAGAGAAACCTAT  
GAATGCCTTGACTGTGGGAAATCGTTCAGTAAGAAACCACAACCTCAAGGTGCATCAGCGA  
ATTCACACGGGAGAAAGACCTTATGTGTGTTCTGAATGTGGAAAGCCTTCAACAACAGG  
TCAAACCTCAATAAACACCAAACAACCTCATACCAGAGACAAATCTTACAATGCAGTTAT  
TCTGTGAAAGCCTTACCAAGCAATGAATTCCTAGTGCATCAGCATATTCATAAATGAAA  
TATACTCCGAGTTTCTTGAAGAAGAGAAAAATCTTCTCAGAATCAGGTCTAATTATATGTT  
ATTGAATTCATGCTTCAGAAAACTCTAGGGATGCACTGCATGTGTGAACACATGATAAA  
AAAGTCATGCTTTATTTAGTGAGGGCAATTACAGAGAAAAGAGTAAGCAGAAATGTCCT  
TCTGAGTACTGGCCTCATTAAAGGATTATAAATTTCTCCCCGGGAAGAAACCTGACTAA  
CGCATTGAGAAAAGCCTTTCTGTAAAGAATGGTACAAGACAGGTGTTACTCGATTATTT  
ATAGTAAAATATGTGGGAAATATATCAATGATAACCTGTTTATTGTGGGATATCAATA  
TTTTTAAAGTGCCAACACAGTCATGATAGGACAATATTTTATGTGTGTGTGCGCCTTA  
TGTATATAAGCATATATATAATATATAAGCATATTATTATATACAGGTTGAGTATCCCTT  
CTCCAAAATGCCTGGGATCAGAAGCATTGTTGGATTTTCTCAGATACTTACAGATTTTGAATA  
TTTGCATTATATTTATTGGTTGAGCATCCCTAATCTGAAAATCCAAGATTAATGCTCCA  
ATTAGCATTTCTTTGAGCGTATGTTAGAGTTCAAAAAGTTTCTCAGATTTTGGGTTTTCA  
GATTAGGAATACCAACCTGTATGTACGTATATTTCTGTATCTATGTATGTATATATATG  
CATATGCAGACATATGTATATGGTCTGGTCAGCATATGTGTATGTATGCGTATGTATGA  
TGTATGTATGCCCTCAGTGCAGTGGGTTTGTGCAGAATTCAGTGCATAGCAGGAGATG  
TAAGCAGATGAGTATTTTTTAAGAGAATCTAATCTAATTGTTTTATAAAAATTATTCC  
CTATTGAATTTTATATAATGAGTTGTATCAACAATGATTAACCTCTTTATTATACATA  
CACATGAATGTGCATTTTTGGTAAATGCATAAATGAGATTCTATAATGTTTACTGATCTT  
TATATTACAGATTTTCTCTTTTAGGATTAGCTCAGCTTGCCCCCTTTCCATCTCC  
ACCATCTATAGTGAGCCTCTCCATAATTAGTGCCAACCTTAGTCTCGTTCATATTTTTTA  
CACCAGGAGTCAACAACTGTGGCCATTGGCCAAATATGGCCTCCCACTGTTTTTTTTAA  
AATAAAGTTTTATTGAA  
AAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_007147

**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.

<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_007147.2</a></u> , <u><a href="#">NP_009078.1</a></u>
<b>RefSeq Size:</b>	3788 bp
<b>RefSeq ORF:</b>	2136 bp
<b>Locus ID:</b>	7728
<b>UniProt ID:</b>	<u><a href="#">Q9Y473</a></u>
<b>Cytogenetics:</b>	19q13.41
<b>Domains:</b>	KRAB, zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Down-regulates the expression of several chemokine receptors. Interferes with HIV-1 replication by suppressing Tat-induced viral LTR promoter activity.[UniProtKB/Swiss-Prot Function]