

## Product datasheet for **SC106061**

### ZNF148 (BC018971) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF148 (BC018971) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF148
Synonyms:	BERF-1; BFCOL1; CACCC box-binding protein; CLL-associated antigen KW-10; HT-BETA; pHZ-52; ZBP-89; ZFP148; zinc finger protein 148
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC018971, the custom clone sequence may differ by one or more nucleotides

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ATGCGTTTCATACAGAAGTACCTGCTTCAGAGACATGAGAAGATTCATACTGGTGAAAAACCATTCGCT
GTGATGAATGTGGTGATGAGACAAACCATGCTTCTGCCACATCAACACAGGACTTCTGGATCAAGTGAC
TTCTCAGAAGAAAGCTGAGGCCAGCCTGTCCACCAAGCTTACCAAATGAGCTCCTTTGAACAGCCCTTC
CGTGCTCCCTATCATGGATCAAGAGCTGGAATAGCTACTCAATTTAGCACTGCCAATGGACAGGTGAACC
TTCGGGGACCAGGGACAAGTGCTGAATTTTCAGAATTTCCCTGGTGAATGAAATGATAATAGAGCTGG
GATGACATCTTCACCTGATGCCACAACCTGGCCAGACTTTTGGCTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC018971 unedited GTGCCCATTTGTATACGACTCCTATAGGCGGCCGCGATTCCGCCGAGGAAAGCGCAGGGTG GGAGCTGTTGCCGAAGCTGCCACAGCAAAAGTTCTCCCCCTCCCCCTCCCCCTCCTCT CAAGGCCCTAGAAAAGTTGGAGCTGCCGCCCTGCAGTCGGTGACCGCGGACTCGGC GCCCGCCCGGATAGAGGGAGGAATCAGCAGCTTGAAATTCAAGCACGTGATCTGGCG GGATGGCGTTTTGCCTAACGTATTTAATGGAGGAATCGGATGGCATAAGTGATTAAGGTG GTATTGAGGATTTCTGAAGCCTATGAAAGGTAGAACTCAACCATGATTTCTTTTTCAAC TCTACAGCATTCCCTTTCCTTGAAGTCTTCGTTTTTACCTTAGTCTCGGGCAGTTATACTT AAGCATGAACATTGACGACAACTGGAAGGATTGTTTCTAAATGTGGCGCATAGACGA AATGCAGTCTCCAGGACAATGGTTGTAATGGGTGGAGTGTCTGGCCAGTCTACTGTGTC TGGAGAGCTACAGGATTCAGTACTTCAAGATCGAAGTATGCCTCACCGAGATCCTTGC TGCAGATGAAGTGTACAAGAAAGTAAATGAGACAACAGGATATGATATCACATGATGA ACTCATGGTCCATGANGAGACAGTGAAAAATGATGAAGAGCAGATGGAACACATGANAG ACTTCCTCAAGGACTACAGTATGCACTTAATGTCCCTATNAGCGNTAAGCANGAAATTAC TTTTACTGATGTATCTGAGCAACTGATGAGAGACAAAAACCAATTAGAGAGCCAGTAGAC TTACAGAAAAAGAGAAAGCGAAACCACGTCCTCCCGCAAAATCCTTACAATAATGAGGA TGGATCACTTGGTTTGGAAACCCCTAATCTTACTTTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC018971
<b>Insert Size:</b>	4600 bp
<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>	<a href="#">BC018971.1</a>
<b>RefSeq Size:</b>	1034 bp
<b>RefSeq ORF:</b>	832 bp
<b>Locus ID:</b>	7707
<b>Cytogenetics:</b>	3q21.2
<b>Domains:</b>	zf-C2H2
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

The protein encoded by this gene is a member of the Kruppel family of zinc finger DNA binding proteins. The encoded protein activates transcription of the T-cell receptor and intestinal alkaline phosphatase genes but represses transcription of the ornithine decarboxylase, vimentin, gastrin, stomelysin, and enolase genes. Increased expression of this gene results in decreased patient survival rates from colorectal cancer, while mutations in this gene have been associated with global developmental delay, hypoplastic corpus callosum, and dysmorphic facies. [provided by RefSeq, Feb 2017]