

Product datasheet for **SC112833**

ZNF148 (NM_021964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF148 (NM_021964) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF148
Synonyms:	BERF-1; BFCOL1; GDACCF; HT-BETA; pHZ-52; ZBP-89; ZFP148
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021964, the custom clone sequence may differ by one or more nucleotides

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ATGAACATTGACGACAACTGGAAGGATTGTTTCTTAAATGTGGCGGCATAGACGAAATGCAGTCTTCCA
GGACAATGGTTGTAATGGGTGGAGTGTCTGCCAGTCTACTGTGTCTGGAGAGCTACAGGATTCAGTACT
TCAAGATCGAAGTATGCCTCACCAGGAGATCCTTGTCTGCAGATGAAGTGTACAAGAAAGTGAAATGAGA
CAACAGGATATGATATCACATGATGAACTCATGGTCCATGAGGAGACAGTGAAAAATGATGAAGAGCAGA
TGGAAACACATGAAAGACTTCCTCAAGGACTACAGTATGCACTTAATGTCCCTATAAGCGTAAAGCAGGA
AATTACTTTTACTGATGTATCTGAGCAACTGATGAGAGACAAAAACAATCAGAGAGCCAGTAGACTTA
CAGAAAAAGAAGAAGCGGAAACAACGTTCTCCCGCAAAAATCCTTACAATAAATGAGGATGGATCACTTG
GTTTGAAAACCCCTAAATCTCACGTTTGTGAGCACTGCAATGCTGCCTTTAGAACGAACTATCACTTACA
GAGACATGTCTTCATTACACAGGTGAAAAACCATTTCAATGTAGTCAATGTGACATGCGTTTCATACAG
AAGTACCTGCTTCAGAGACATGAGAAGATTCATACTGGTAAAAACCATTTGCTGTGATGAATGTGGTA
TGAGATTCATACAAAAATATCATATGGAAGGCATAAGAGAACTCATAGTGGAGAAAAACCTTACCAGTG
TGAATACTGTTTACAGTATTTTTCCAGAACAGATCGTGTATTGAAACATAAACGTATGTGCCATGAAAA
CATGACAAAAAACTAAATAGATGTGCCATCAAAGGTGGCCTTCTGACATCTGAGGAAGATTCTGGCTTTT
CTACATCACAAAAGACAACCTACTGCCAAAAAGAAAAGGCAGAAAAACGGAGAAAAATCATCTGGAAT
GGCAAAGAGAGTGCTTTGGACAAATCTGACCTGAAAAAGACAAAAATGATTACTTGCCTCTTTATTCT
TCAAGTACTAAAGTAAAAGATGAGTATATGGTTGCAGAAATATGCTGTTGAAATGCCACATTCGTCAAGTG
GGGGCTCGCATTTAGAAGATGCGTCAGGAGAAAACACCCACCTAAGTTAGTTCTCAAAAAATTAATAG
TAAGAGAAGTCTGAAACAGCCACTGGAGCAAAAACAACAATTTACCTTTATCCACATATGAAGAGAGC
AAAGTTTCAAAGTATGCTTTTGAACCTTGATGAAACAGGCTTTACTGGACTCAGAAGGCAATGCTGACA
TTGATCAGGTTGATAATTTGCAGGAGGGGCCAGTAAACCTGTGCATAGTAGTACTAATTATGATGATGC
CATGCAGTTTTTGAAGAAGAAGCGGTATCTTCAAGCAGCAAGTAACAACAGCAGGGAATATGCGCTGAAT
GTGGGTACCATAGCTTCTCAGCCTTCTGTAAACAAGCAGCTGTGGCAAGTGTCTTATGATGAAAGTACCA
CGGCATCCATATTAGAGTCACAGGCACTGAATGTGGAGATTAAGAGTAATCATGACAAAAATGTTATTCC
AGATGAGGTACTGCAGACTCTGTTGGATCATTATCCACAAAGCTAATGGACAGCATGAGATATCCTTC
AGTGTTCAGATACTGAAGTGACTTCTAGCATATCAATAAATCTTCAGAAGTACCAGAGGTCACCCCGT
CAGAGAATGTTGGATCAAGCTCCCAAGCATCCTCATCAGATAAAGCCAACATGTTGCAGGAATACTCCAA
GTTTCTGCAGCAGGCTTTGGACAGAAGTCCAAAATGATGCCTATTTGAATAGCCCGAGCCTTAACTTT
GTGACTGATAACCAAGACCTCCCAAATCAGCCAGCATTCTCTCCATAGACAAGCAGGTCTATGCCACCA
TGCCCATCAATAGCTTTGATCAGGAATGAATTCTCCACTAAGAACAACCTCCAGATAAGTCCCACCTTTGG
ACTAATAGTTGGTGATTCACAGCACTCATTTCCTTTTTCAGGTGATGAGACAAACCATGCTTCTGCCACA
TCAACACAGGACTTTCTGGATCAAGTGACTTCTCAGAAGAAAGCTGAGGCCAGCCTGTCCACCAAGCTT
ACCAAAATGAGCTCCTTTGAACAGCCCTTCGGTGTCCCTATCATGGATCAAGAGCTGGAATAGCTACTCA
ATTTAGCACTGCCAATGGACAGGTGAACCTTCGGGGACCAGGGACAAGTGTGAATTTTTCAGAAATTTCC
TTGGTGAATGTAATGATAATAGAGCTGGGATGACATCTTACCTGATGCCACAACCTGCCAGACTTTTG
GCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021964 unedited
 TCAGAAATTTGTAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGCCGCCGC
 CTGCAGTCGGTGACCGCGCGACTCGGCGCCCGCCGCGGATAGAGGGAGGAATCAGCAGC
 TTGGAAATTCAGCACGTGATCTGGCGGGATGGCGTTTGCCTAACGTATTTAATGGAGG
 AATCGGATGGCATAAGTGATTAAGGTGGTATTGAGGATTTCTGAAGCCTATGAAAGGTAG
 AAACCAACCATGATTTCTTTTCAACTCTACAGCATTCTTTCTTGAAGTCTTCGTTT
 TTACCTTAGTCTCGGGCAGTTATACTTAAGCATGAACATTGACGACAAACTGGAAGGATT
 GTTTCTTAAATGTGGCGGCATAGACGAAATGCAGTCTTCCAGGACAATGGTTGTAATGGG
 TGGAGTGTCTGGCCAGTCTACTGTGTCTGGAGAGCTACAGGATTCACTACTTCAAGATCG
 AAGTATGCCTCACCAGGAGATCCTTGCTGCAGATGAAGTGTTACAAGAAAGTGAAATGAG
 ACAACAGGATATGATATCACATGATGAACCTCATGGTCCATGAGGAGACAGTGAAAAATGA
 TGAAGAGCAGATGAAACACATGAAAGACTTCTCAAGGACTACAGTATGCACCTAATGT
 CCCTATNAGCGTANAGCAGGAAATTACTTTTACTGATGTATCTGAGCAACTGATGAGAGA
 CANNAAACAATCAGAGAGCCAGTAGACTTACAGAANAAGAAGAAAGCGGAAACACGTTCT
 CCCCAGAAAATCCTTTACATAATGAGGATGGATCACTTGGTTNGAAACCCCTAATCTCA
 CGTTTGTGAGCACTTGCATGCTGNCTTTAGAAACGACTATCACTACAGAGACATGTCTTC
 ATTCATACAGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021964 unedited
 GGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAGCCAAAAGTCTG
 GCCAGTTGTGGCATCAGGTGAAGATGTCATCCCAGCTCTATTATCATTACATTCACCAA
 GGGAAATCTGAAAATTCAGCACTTGTCCCTGGTCCCGAAGGTTACCTGTCCATTGGC
 AGTGCTAAATTGAGTAGCTATTCCAGCTTTGATCCATGATAGGGAGCACGGAAGGGCTG
 TTCAAAGGAGCTCATTTGGTAAGCTTGGTGGACAGGCTGGGCCTCAGCTTTCTTCTGAGA
 AGTCACCTTGATCCAGAAAGTCTGTGTTGATGTGGCAGAAGCATGGTTTGTCTCATCACC
 TGAAAAGGGAAATGAGTGTGTGAATCACCAACTATTAGTCCAAAGTGGGACTTATCTGG
 AGTTGTTCTTAGTGGAGAATTCATTCTGATCGAAAGCTATTGATGGGCATGGTGGCATA
 GACCTGCTTGTCTATGGAAGAGAATGCTGGCTGATTTGGGAGGGTCTGGTTATCAGTCAC
 AAAGTTAAGGCTCGGGCTATTCAAATAGGCATCATTTTGGCTAGTTCTGTCCAAAGCCTG
 CTGCAGAAACTTGGAGTATTCTGCAACATGTTGGCTTTATCTGATGAGGATGCTTNGA
 GCTTGATCCAACATTCTCTGATGGGGTGACCTCTGGTACTTCTGAAGAATTTATTGATAT
 GCTAGAAGTCACTTCAGTATCTGCAACACTGAAGGATATCTCATGCTGTCCATTAGCTNT
 GTGGGAATAATGATCCAACAGAGTCTGCAGTACCTCATCTGAAAATACATTNTGNCATGA
 ATACCTTAATCTCCACATTCAGTGCCTGTGACTCTATATGGATGCCGTGGTACTTTCAT
 CATGACTGCACAGCTGCTTGTGTACAGAAGCTGAAAGCTATGT

Restriction Sites:

NotI-NotI

ACCN:

NM_021964

Insert Size:

3090 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:	<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_021964.1 , NP_068799.1
RefSeq Size:	3032 bp
RefSeq ORF:	2385 bp
Locus ID:	7707
UniProt ID:	Q9UQR1
Cytogenetics:	3q21.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-11 all encode the same isoform (a).</p>