

## Product datasheet for **RG222687**

### ZNF148 (NM\_021964) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF148 (NM_021964) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF148
Synonyms:	BERF-1; BFCOL1; GDACCF; HT-BETA; pHZ-52; ZBP-89; ZFP148
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG222687 representing NM\_021964  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAACATTGACGACAACTGGAAGGATTGTTTCTTAAATGTGGCGCATAGACGAAATGCAGTCTTCCA  
GGACAATGGTTGTAATGGGTGGAGTGTCTGGCCAGTCTACTGTGTCTGGAGAGCTACAGGATTCAGTACT  
TCAAGATCGAAGTATGCCTCACCAGGAGATCCTTGCTGCAGATGAAGTGTACAAGAAAGTGAAATGAGA  
CAACAGGATATGATATCACATGATGAACTCATGGTCCATGAGGAGACAGTGAAAAATGATGAAGAGCAGA  
TGGAAACACATGAAAGACTTCTCAAGGACTACAGTATGCACTTAATGTCCCTATAAGCGTAAAGCAGGA  
AATTACTTTTACTGATGATCTGAGCACTGATGAGAGACAAAAACAAATCAGAGAGCCAGTAGACTTA  
CAGAAAAAGAAGAAGCGGAAACAACGTTCTCCCGCAAAAATCCTTACAATAAATGAGGATGGATCACTTG  
GTTTGAACCCCTAAATCTCACGTTTGTGAGCACTGCAATGCTGCCTTTAGAACGAACTATCACTTACA  
GAGACATGTCTTCATTCATACAGGTGAAAAACCATTTCAATGTAGTCAATGTGACATGCGTTTCATACAG  
AAGTACCTGCTTCAGAGACATGAGAAGATTCATACTGGTAAAAACCATTTCGCTGTGATGAATGTGGTA  
TGAGATTCATACAAAAATATCATATGGAAGGCATAAGAGAAGTCAATAGTGGAGAAAAACCTTACCAGTG  
TGAATACTGTTTACAGTATTTTCCAGAACAGATCGTGTATTGAAACATAAACGTATGTGCCATGAAAAAT  
CATGACAAAAAATAAATACATGTGCCATCAAAGGTGGCCTTCTGACATCTGAGGAAGATTCTGGCTTTT  
CTACATCACAAAAAGACAACACTACTGCCAAAAAGAAAAGGCAGAAAAACGGAGAAAAATCATCTGGAAAT  
GGACAAAGAGAGTGTCTTGGACAAATCTGACCTGAAAAAGACAAAAATGATTACTTGCCTGTTTATTCT  
TCAAGTACTAAAGTAAAAGATGAGTATATGGTTGCAGAATATGCTGTTGAAATGCCACATTCGTCAGTTG  
GGGCTCGCATTTAGAAGATGCGTCAGGAGAAAATACACCCACCTAAGTTAGTTCTCAAAAAAATTAATAG  
TAAGAGAAGTCTGAAACAGCCACTGGAGCAAAAATCAAACAATTTACCTTTATCCACATATGAAGAGAGC  
AAAGTTTCAAAGTATGCTTTTGAACCTGTGGATAAACAGGCTTTACTGGACTCAGAAGGCAATGCTGACA  
TTGATCAGGTTGATAATTTGAGGAGGGGCCAGTAAACCTGTGCATAGTAGTACTAATTATGATGATGC  
CATGCAGTTTTTGAAGAAGAAGCGGTATCTTCAAGCAGCAAGTAACAACAGCAGGGAATATGCGCTGAAT  
GTGGGTACCATACGTTCTCAGCCTTCTGTAACACAAGCAGCTGTGGCAAGTGTATTGATGAAAGTACCA  
CGGCATCCATATTAGAGTACAGGCACTGAATGTGGAGATTAAGAGTAATCATGACAAAAATGTTATTCC  
AGATGAGGTACTGCAGACTCTGTTGGATCATTATCCCACAAAGCTAATGGACAGCATGAGATATCCTTC  
AGTGTTCAGATACTGAAGTGACTTCTAGCATATCAATAAATTCTCAGAAGTACCAGAGGTCAACCCAT  
CAGAGAATGTTGGATCAAGCTCCCAAGCATCCTCATCAGATAAAGCCAACATGTTGCAGGAATACTCCAA  
GTTTCTGCAGCAGGCTTTGGACAGAAGTACGCAAAATGATGCCTATTTGAATAGCCCGAGCCTTAACTTT  
GTGACTGATAACCAGACCCTCCCAAAATCAGCCAGCATTCTCTTCCATAGACAAGCAGGTCTATGCCACCA  
TGCCCAATCAATAGCTTTTCGATCAGGAATGAATTCTCCACTAAGAACAACCTCCAGATAAGTCCCCTTTGG  
ACTAATAGTTGGTGATTCACAGCACTCATTTCCTTTTTCAGGTGATGAGACAAACCATGCTTCTGCCACA  
TCAACACAGGACTTTCTGGATCAAGTCACTTCTCAGAAGAAAGCTGAGGCCAGCCTGTCCACCAAGCTT  
ACCAAAATGAGCTCCTTTGAACAGCCCTCCGTGCTCCCTATCATGGATCAAGAGCTGGAATAGCTACTCA  
ATTTAGCACTGCCAATGGACAGGTGAACCTTCGGGGACCAGGGACAAGTGTGAATTTTCAGAATTTCCC  
TTGGTGAATGTAATGATAATAGAGCTGGGATGACATCTTACCTGATGCCACAACCTGCCAGACTTTTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222687 representing NM\_021964  
 Red=Cloning site Green=Tags(s)

MNIDDKLEGLFLKCGGIDEMQSSRTMVVMGGVSGQSTVSGELQDSVLQDRSMPHQEILAADEVLQESEMR  
 QQDMI SHDELMVHEETVKNDEEQMETHERLPQGLQYALNVPI SVKQEITFTDVSEQLMRDKKQIREPVDL  
 QKKKKRKRQSPAKIL TINEDGSLGLKTPKSHVCEHCNAAFRTNYHLQRHVFIHTGEKPFQCSQCDMRFIQ  
 KYLLQRHEKIHTGEKPFRCDECGMRFIQKYHMERHKRTHSGEKPYQCEYCLQYFSRTDRVLKHKRMCHEN  
 HDKKLNTCAIKGGLLTSEEDSGFSTSPKDNSLPKKRQKTEKSSGMDKESALDKSDLKKDKNDYLPVYS  
 SSTKVKDEYMAEYAVEMPHSSVGGSHLEDASGEIHPPKLVLKKINSKRSLKQPLEQNQTISPLSTYEEES  
 KVSKYAFELVDKQALLDSEGNADIDQVDNLQEGPSKPVHSSTNYDDAMQFLKKKRYLQAASNNSREYALN  
 VGTIRSQPSVTQAAVASVIDESTTASILESQLNVEIKSNHDKNVIPDEVLQTL LDHYSHKANGQHEISF  
 SVADTEVTSSISINSSEVPEVTPSENVGSSSQASSDKANMLQEYSKFLQALDRTSQNDAYLNSPSLNF  
 VTDNQTLPNQPAFSSIDKQVYATMPINSFRSGMNSPLRTTPDKSHFGLIVGDSQHSFPFSGDET NHASAT  
 STQDFLDQVTSQKKAEAQPVHQAYQMSSFEQPF RAPHYHGSRAGIATQFSTANGQVNL RGPGTSAEFSEFP  
 LVNVNDNRAGMTSSPDATTGQTFG

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**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\\_021964.1](#), [NP\\_068799.1](#)

**RefSeq Size:** 3032 bp

**RefSeq ORF:** 2385 bp

**Locus ID:** 7707

**UniProt ID:** [Q9UQR1](#)

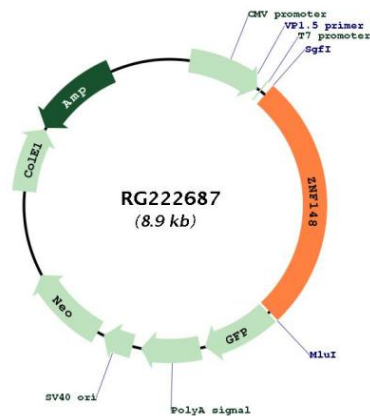
**Cytogenetics:** 3q21.2

**Domains:** zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** 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]

## Product images:



Circular map for RG222687