

## Product datasheet for **RC230576**

### ZFP62 (NM\_001172638) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP62 (NM_001172638) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZFP62
Synonyms:	ZET; ZNF755
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230576 ORF sequence, <b>codon optimized</b> . Due to the complexity of NM_001172638, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCCACCTTAAAACCTCCACCGAGGATGAGGAACCCACAGAGGAATATGAAAATGTCGGCAATGCAG  
CATCAAAGTGGCCAAAGTTCGAGGATCCTATGCCCGAATCTAAGTTCGGGATACGTGCGTCTGGGACAG  
TAAAGTGGAGAACCAACAGAAAAAGCCTGTGAAAACCGAATGAAGGAGGACAAGTCTCTATTCGGGAG  
GCCATTAGTAAAGCAAAGTCTACAGCCAACATTAAGACTGAGCAGGAGGGAGAGGCTTCGAGAAGTCTC  
TCCACCTCAGCCCGCAGCACATTACACACCAACCATGCCGATCGGGCAGAGAGGCGAGTGAACAGGGAAA  
GCGGGTGGAGAACATAAATGGCACCAGCTATCCATCCCTTCAGCAGAAAAACCAATGCTGTGAAGAAATTG  
CACAAGTGCAGCAGTGTGGGAAATCATTCAAGTACAACCTCACGCCTTGTGCAGCACAAGATTATGCATA  
CCGGAGAAAAGCGCTACGAATGTGACGATTGTGGGGTACATTTTCGGAGCTCCAGCAGCCTCAGGGTCCA  
TAAACGGATTCTACAGGCGAAAAAGCCCTATAAATGCGAGGAATGTGGGAAGGCCATATGTCTTACTCC  
AGTCTGATAAATCATAAATCAACACACTCTGGCGAAAAGAACTGCAAATGTGATGAATGCGGCAAGAGCT  
TTAATTATTCAAGTGTCTGGATCAGCACAAGAGGATCCATACTGGTGAGAAGCCCTACGAGTGGGTGA  
ATGCGGTAAGGCCTTTCGAAATAGTTCGGACTGAGAGTGCATAAGCGGATCCACACTGGAGAAAAGCCG  
TACGAATGCGACATATGTGGCAAGACATTCTCAAACCTCCCGGTCTGCGGGTCCACAAAAGAATTCATA  
CCGGAGAGAAAACCCTATGAATGCGATGAATGTGGGAAGGCCTTCATCACATGTCGGACATTGCTTAACCA  
CAAGTCTATCCACTTCGGCGACAAGCCTTACAAATGCGATGAGTGTGAGAAGTCATTCAATTATAGTTCA  
CTGCTCATCCAGCACAAGGTGATCCACACCGCGAGAAAACCATATGAGTGTGATGAGTGGGTAAGCAT



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TTCGGAATAGCAGCGGCCTGATAGTACACAAAAGGATTACACGGGGGAGAAACCCTACAAATGCGATGT  
 CTGTGGAAGGCATTAGCTACTCATCTGGACTCGCCGTCACAAATCAATTCATCTGGGAAGAAGGCC  
 CACGAGTGCAAAGAGTGTGGAAGTCTTTTAGCTATAACTCCTTGCTTCTCAGCACCGGACAATCCATA  
 CCGGCGAAAGGCCTTACGTTTGTGACGTCTGCGGTAAAACCTCCGGAACAACGCAGGGCTGAAGGTGCA  
 CAGGCGGCTTATACCGGTGAGAAGCCTTACAAGTGTGATGTGTGCGGCAAGGCCTACATATCCAGGAGT  
 TCTCTTAAGAACCACAAGGGGATTATCTCGGTGAAAAACCGTATAAGTGTTTCAATTGCGAGAAAAGTT  
 TCAATTATAGCAGTCCCTGGACCAACAAAAGAATACATACACGAGAGAAGCCATTCCGGTGCGACGA  
 GTGCGGGAAGGCCTCCGAAATAACTCTGGGTTGAAGGTACACAAGCGCATCCATACCGGTGAGAGGCCT  
 TACAAATGCGAAGAATGCGGAAAGGCCTATATTTCTTTGAGTTCTCTGATTAATCACAAGTCTGTCCATC  
 CCGGCGAGAAACCTTTTAAATGCGACGAGTGTGAAAAGGCCTTTATCACCTACCGGACTCTCACAAATCA  
 CAAAAAGTGCACCTGGGGGAGAAGCCATAACAAGTGTGACGTGTGCGAAAAATCATTCAACTACACCAGT  
 CTCCTGAGCCAGCACCGGCGAGTGCACACCCGGGAGAAGCCATATGAGTGCACCGGTGCGAGAAGGTGT  
 TTCGGAACAATTCCTCTGAAAGTTCACAAGAGAATACATACCGGGGAGAGGCCATATGAATGCGATGT  
 GTGTGGCAAGGCCTATATAAGCCATAGTCCCTTATCAACCACAAGAGTACACATCCCGGAAGAAGGCCG  
 CACACATGTGATGAGTGTGGGAAGGCCTTTTTCTCATCCGGACTTTATTTACACAAGAGGGTACATT  
 TGGGTGAGAAGCCATTCAAATGTGTGGAATGCGGTAAGTCTTTCTTACTCTTCTTCTTCTGCTCAGCA  
 TAAACGAATTCACACTGGGGAGAAGCCATATGTCTGCGATAGATGCGGTAAAGGCCTTTCGCAATTCCTCA  
 GGGCTGACCGTGCATAAACGAATTCACACTGGGGAGAAGCCATACGAATGTGATGAATGTGGTAAAGCCT  
 ATATCTCCACAGTTCCTGATCAACCATAAAGAGCGTGCACCAAGGCAAGCAGCCTTATAATTGCGAATG  
 CGGAAGAGTTTTAATTACAGGAGCGTCTGGACCAACACAAGAGGATCCACACAGGAAAGAAGCCCTAC  
 CGATGTAATGAATGCGGAAAAGCCTTCAACATCCGCTCCAACCTCACAAGCACAACGCACCCATACCG  
 GGAAGAATCACTGAACGTATCTATGTAGGCTCATATTCGGTACTTCTCAGAAGAGAACCTACGAAGG  
 AGGGAATGCATTGGACGCGGGAGGATGCGAATGCCACTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230576 representing NM\_001172638  
 Red=Cloning site Green=Tags(s)

MSHLKSTEDEEPTTEEYENVGNAASKWPKVEDPMPESKVGDTCVWDSKVENQKKPVENRMKEDKSSIRE  
 AISKAKSTANIKTEQEGEASEKSLHLSPQHITHQTMPIGQRGSEQKRVENINGTSYPSLQKQTNVKKL  
 HKCDECGKSFYKNSRLVQHKIMHTGEKRYECCDCGGTFRSSSSLRVHKRIHTGEKPYKCEECGKAYMSYS  
 SLINHKSTHSGEKNCKDECGKSFNYSSVLDQHKRIHTGEKPYECGECGKAFRNSSGLRVHKRIHTGEK  
 YECDICGKTFNSSSGLRVHKRIHTGEKPYECDECGKAFITCRTLLNHKSIHFGDKPYKCECEKSFNYSS  
 LLIQHKVIHTGEKPYECDECGKAFRNSGLIVHKRIHTGEKPYKCDVCGKAFSYSSGLAVHKSIIHPGKKA  
 HECKEKGKSFYNSLLQHRTIHTGERPYVCDVCGKTFRNNAGLKVHRRLLHTGEKPYKCDVCGKAYISRS  
 SLKNHKGIIHLGEKPYKSYCEKSFNYSSALEQHKRIHTREKPFGCDECGKAFRNSGLKVHKRIHTGERP  
 YKCEECGKAYISLSSLINHKSVHPGEKPFKCECEKAFITYRTL TNHKKVHLGEKPYKCDVCEKSFNYTS  
 LLSQHRRVHTREKPYECDRCEKVFRRNSSLKVHKRIHTGERPYECVCGKAYISHSSLINHKSTHPGRTP  
 HTCDECGKAFFSSRTLISHKRVHLGEKPFKCVCEGKSFYSLLSQHKRIHTGEKPYVCDRCGKAFRNSS  
 GLTVHKRIHTGEKPYECDECGKAYISHSSLINHKSVHQKQPNCECGKSFNYRSLVDQHKRIHTGKKPY  
 RCNECGKAFNIRSNLTKHKRTHTGEESLNVIVGYSYSGTSQKRTYEGGNALDGGRRMPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001172638

**ORF Size:** 2700 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

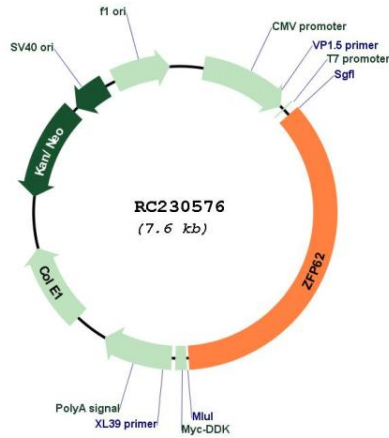
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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\\_001172638.1](#), [NP\\_001166109.1](#)

**RefSeq Size:** 3964 bp

RefSeq ORF: 2703 bp  
 Locus ID: 643836  
 UniProt ID: [Q8NB50](#)  
 Cytogenetics: 5q35.3  
 MW: 102.5 kDa  
 Gene Summary: May play a role in differentiating skeletal muscle.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC230576