

Product datasheet for **RG230576**

ZFP62 (NM_001172638) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZFP62 (NM_001172638) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFP62
Synonyms:	ZET; ZNF755
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230576 ORF sequence, codon optimized . 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
GCGGGTGGAGAACATAAATGGCACCAGCTATCCATCCCTTCAGCAGAAAACCAATGCTGTGAAGAAATTG
CACAAGTGCAGCAGAGTGTGGGAAATCATTCAAGTACAACCTCACGCCTTGTGCAGCACAAGATTATGCATA
CCGGAGAAAAGCGCTACGAATGTGACGATTGTGGGGTACATTTTCGGAGCTCCAGCAGCCTCAGGGTCCA
TAAACGGATTCTACAGGCGAAAAGCCCTATAAATGCGAGGAATGTGGGAAGGCCTATATGTCTTACTCC
AGTCTGATAAATCATAAATCAACACACTCTGGCGAAAAGAACTGCAAATGTGATGAATGCGGCAAGAGCT
TTAATTATTCAAGTGTCTGGATCAGCACAAGAGGATCCATACTGGTGAGAAGCCCTACGAGTGGGTGA
ATGCGGTAAGGCCTTTCGAAATAGTTCGGACTGAGAGTGCATAAGCGGATCCACACTGGAGAAAAGCCG
TACGAATGCGACATATGTGGCAAGACATTCTCAAACCTCCTCCGGTCTGCGGGTCCACAAAAGAATTCATA
CCGGAGAGAAAACCCTATGAATGCGATGAATGTGGGAAGGCCTTCATCACATGTCGGACATTGCTTAACCA
CAAGTCTATCCACTTCGGCGACAAGCCTTACAAATGCGATGAGTGTGAGAAGTCATTCAATTATAGTTCA
CTGCTCATCCAGCACAAGGTGATCCACACCGGCGAGAAAACCATATGAGTGTGATGAGTGGGTAAGCAT



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TTCGGAATAGCAGCGGCCTGATAGTACACAAAAGGATTCACACGGGGGAGAAACCCTACAAATGCGATGT
 CTGTGGAAGGCATTAGCTACTCATCTGGACTCGCCGTCACAAATCAATTCATCTGGGAAGAAGGCC
 CACGAGTGCAAAGAGTGTGGAAGTCTTTTAGCTATAACTCCTTGCTTCTTCAGCACCGGACAATCCATA
 CCGGCGAAAGGCCTTACGTTTGTGACGTCTGCGGTAAAACCTCCGGAACAACGCAGGGCTGAAGGTGCA
 CAGGCGGCTTACACCGGTGAGAAGCCTTACAAGTGTGATGTGTGCGGCAAGGCCTACATATCCAGGAGT
 TCTCTTAAGAACCACAAGGGGATTATCTCGGTAAAAACCGTATAAGTGTTTCAATTGCGAGAAAAGTT
 TCAATTATAGCAGTCCCTGGACCAACACAAAAGAATACATACACGAGAGAAGCCATTCCGGTGCGACGA
 GTGCGGGAAGGCCTTCCGAAATAACTCTGGTTGAAGGTACACAAGCGCATCCATACCGGTGAGAGGCCT
 TACAAATGCGAAGAATGCGGAAAGGCCTATATTTCTTTGAGTTCTCTGATTAATCACAAAGTCTGTCCATC
 CCGGCGAGAAACCTTTTAAATGCGACGAGTGTGAAAAGGCCTTTATCACCTACCGGACTCTCACAAATCA
 CAAAAAGTGCACCTGGGGGAGAAGCCATAACAAGTGTGACGTGTGCGAAAAATCATTCAACTACACCAGT
 CTCCTGAGCCAGCACCGGCGAGTGCACACCCGGGAGAAGCCATATGAGTGCACCGGTGCGAGAAGGTGT
 TTCGGAACAATTCCTCTCTGAAAGTTCACAAGAGAATACATACCGGGGAGAGGCCATATGAATGCGATGT
 GTGTGGCAAGGCCTATATAAGCCATAGTCCCTTATCAACCACAAGAGTACACATCCCGGAAGAAGGCCG
 CACACATGTGATGAGTGTGGGAAGGCCTTTTTCTCATCCCGACTTTATTTACACAAGAGGGTACATT
 TGGGTGAGAAGCCATTCAAATGTGTGGAATGCGGTAAGTCTTTCTTACTCTTCTTCTTCTGCTCAGCA
 TAAACGAATTCACACTGGGGAGAAGCCATATGTCTGCGATAGATGCGGTAAAGGCCTTTCCGAATTCCTCA
 GGGCTGACCGTGCATAAACGAATTCACACTGGGGAGAAGCCATACGAATGTGATGAATGTGGTAAAGCCT
 ATATCTCCACAGTTCCTGATCAACCATAAAGAGCGTGCACCAAGGCAAGCAGCCTTATAATTGCGAATG
 CGGCAAGAGTTTTAATACAGGAGCGTCTGGACCAACACAAGAGGATCCACACAGGAAAGAAGCCCTAC
 CGATGTAATGAATGCGGAAAAGCCTTCAACATCCGCTCCAACCTCACAAGCACAACGCACCCATACCG
 GGAAGAATCACTGAACGTATCTATGTAGGCTCATATCCGGTACTTCTCAGAAGAGAACCTACGAAGG
 AGGGAATGCATTGGACGCGGGAGGATGCGAATGCCACTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230576 representing NM_001172638

Red=Cloning site Green=Tags(s)

MSHLKSTEDEEPTTEEYENVGNAASKWPKVEDPMPESKVGDTCVWDSKVENQKKPVENRMKEDKSSIRE
 AISKAKSTANIKTEQEGEASEKSLHLSQHIHTQTMPIGQRGSEQGKRVENINGTSYPSLQKQTNVAKKL
 HKCDECGKSFKYNSRLVQHKIMHTGEKRYECDDCGGTFRSSSLRVHKRIHTGEKPYKCEECGKAYMSYS
 SLINHKSTHSGEKNCKDECGKSFNYSSVLDQHKRIHTGEKPYECGECGKAFRNSSGLRVHKRIHTGEK
 YECDICGKTFSSSGLRVHKRIHTGEKPYECDECGKAFITCRTLLNHKSIHFQDKPYKDECEKSFNYSS
 LLIQHKVIHTGEKPYECDECGKAFRNSGLIVHKRIHTGEKPYKCDVCGKAFSYSSGLAVHKSIIHPGKKA
 HECKEKGKSFYNSLLQHRTIHTGERPYVCDVCGKTFRNNAGLKVHRRLLHTGEKPYKCDVCGKAYISRS
 SLKNHKGIIHLGEKPYKCSYCEKSFNYSSALEQHKRIHTREKPFQDECGKAFRNSGLKVHKRIHTGERP
 YKCEECGKAYISLSSLINHKSVHPGEKPFKCECEKAFITYRTL TNHKKVHLGEKPYKCDVCEKSFNYTS
 LLSQHRRVHTREKPYECRCEKVFRRNSLKVHKRIHTGERPYECVCGKAYISHSSLINHKSTHPGRTP
 HTCDECGKAFFSSRTLISHKRVHLGEKPFKCEVCGKSFYSSLLSQHKRIHTGEKPYVCDRCGKAFRNSS
 GLTVHKRIHTGEKPYECDECGKAYISHSSLINHKSVHQKQPYNCECGKSFNYRSVLDQHKRIHTGKKPY
 RCNECGKAFNIRSNLTKHKRTHTEESLNVIIYVGSYSGTSQKRTYEGGNALDGGRRMPL

TRTRPLE – GFP Tag – V

Restriction Sites:

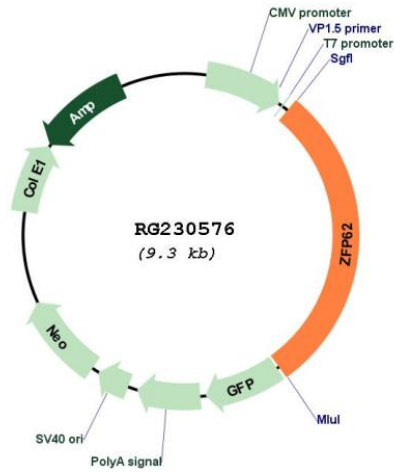
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_001172638.1 , NP_001166109.1
RefSeq Size:	3964 bp
RefSeq ORF:	2703 bp
Locus ID:	643836
UniProt ID:	Q8NB50
Cytogenetics:	5q35.3
Gene Summary:	May play a role in differentiating skeletal muscle.[UniProtKB/Swiss-Prot Function]