

## Product datasheet for **RG224891**

### ZNF160 (NM\_001102603) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF160 (NM_001102603) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF160
Synonyms:	F11; HKr18; HZF5; KR18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG224891 representing NM\_001102603  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCCTTACTCAGGTACGGTTGACATTTAGGGATGTGGCCATAGAATTCTCTCAGGAGGAGTGGAAAT  
GCCTGGACCTTGCTCAGAGGATCTTATACAGGGACGTGATGTTGGAGAACTACTGGAACCTTGTTTCTCT  
GGGACTGTGTCATTTTGTATGAATATTATCTCCATGTTGGAGGAAGGAAAGAGCCCTGGACTGTGAAG  
AGCTGTGTGAAAAAGCAAGAAAACCAAGAACGCCGGAATGTGTCAAAGGCGTGGTCACAGATATCCCTC  
CTAAATGTACAATCAAGGATTTGCTACAAAAGAGAAGAGCAGTACAGAAGCAGTATTCCACACAGTGGT  
GTTGGAAGACACGAAAGCCCTGACATTGAAGACTTTTCCTTCAAGGAACCCAGAAAAATGTGCATGAT  
TTTGAGTGTCAATGGAGAGATGACACAGGAAATACAAGGGAGTGCTTATGGCCAGAAAAGGTAATAA  
GAGATCAACGCGACAGAAGAGACATAGAAAACAAGCTTATGAACAATCAGCTTGGAGTAAGCTTTCATTC  
TCATCTGCCTGAACTGCAGCTATTTCAAGGTGAGGGGAAAATGTATGAATGTAATCAAGTTGAGAAGTCT  
ACCAACAATGGTTCCTCAGTGTCAACACTTCAACAAATTCCTTCTAGTGTCCAAACCCACAGGTCTAAAA  
AATATCATGAACCTAACCATTTTTCATTACTCACAAAAGACGAAAAGCAACAGTTGTGAAAAACCTTA  
TAAATGTAATGAATGTGGCAAGGCGTTCCTCAGAATTCGAACCTTACAAGTCAATAGGAGAAATTCATAGT  
GGAGAGAAGCCTTACAAATGCAGTGTGAGTGCAGGCAAAACCTTACTGTTTCAATCTAACTATTCATC  
AGGTCACTCCACTGGAGAAAAACCTTACAAATGTCATGAGTGTGGCAAGGTCTTCAGGCACAATTCATA  
CCTTGCAACTCATCGGCAATTCATACTGGAGAGAAAACCTTACAAGTGAATGAGTGTGGAAAAGCCTTT  
AGAGGACATTCAAACCTAACTACCCATCAGTTAATTCATACTGGAGAAAAACCGTTCAAATGTAATGAAT  
GTGGCAAGCTCTTCACTCAAAATTCACACCTTATAAGTCATTGGAGAATTCACACTGGAGAGAAAACCTTA  
CAAGTGAATGAGTGCAGCAAGCCTTTAGTGTTCGTTCAAGCCTAGCAATCCATCAGACAATCCACACT  
GGAGAAAAACCTTACAAATGTAATGAATGTGGCAAGTCTTATAGTACAATTCATACCTCGGAAGGCATC  
GGAGAGTTCATACTGGTGAAGAACCTTACAAGTGAATGAATGTGGCAAGCCTTCAAGTATGCATTCAAA  
CCTAGCTACCCATCAGGTCACTACTGGAACAAAACCTTCAAATGCAATGAATGCAGCAAGGTTTTTC  
ACTCAAATTCACAACCTGCAAATCATCGAAGAATTCATACTGGAGAGAAAACCTTACAAGTGAATGAGT  
GTGGGAAAGCCTTCAGTGTTCGTTCAAGTCTGACTACCCATCAGGCAATCCATTCTGGAGAGAAAACCTTA  
CAAATGTATTGAATGTGGCAAGAGCTTCACTCAAAAATCACACCTTAGAAGTCACTCGGGGAATTCATTCT  
GGAGAGAAAACCTTACAAGTGAATGAATGTGGTAAAGTCTTCGCTCAAACATCACAACCTTGAAGGCATT  
GGAGAGTTCATACTGGAGAAAAACCTTACAAGTGAATGACTGTGGCAGAGCCTTTAGTGATCGTTCAAG  
CCTAACTTTTTCATCAGGCAATACATACTGGAGAGAAAACCTTACAATGTCATGAATGCAGGCAAGTTTTT  
AGGCACAATTCATACCTTGAACCTCATCGGCGAATTCATACTGGAGAGAAAACCTTACAAGTGAATGAGT  
GTGGGAAAGCCTTTAGTATGCATTCAAACCTAACTACCCATAAGGTCACTCCATACTGGAGAGAAAGCCTTA  
CAAATGTAATCAATGTGGCAAGGTCTTCACTCAGAACCTCACACCTTGAATCATCAAAGGACTCACACC  
GGAGAGAAAACCTTACCGATGCAATGAGTGTGGGAAAGCCTTCAGTGTTCGTTCAAGCCTAACCACCCATC  
AGGCAATCCATACTGGGAAAAACCTTACAATGTAATGAATGTGGCAAGGTCTTACTCAAATGCTCA  
CCTGGCAAATCACCGAAGAATTCATACTGGGAGAAAACCTTACAGGTGTACAGAGTGTGGGAAAGCCTTT  
AGGGTAAGATCAAGTCTAACTACCCATATGGCAATCCACACTGGAGAAAAGCGTTACAAATGTAATGAGT  
GTGGCAAGGTCTTCAGGCAAGTTCAAATCTTGAAGTCAACAGAATGCATACCGGAGAGAAAACCTTA  
CAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG224891 representing NM\_001102603  
Red=Cloning site Green=Tags(s)

MALTQVRLTFRDVAIEFSQEEWKCLDPAQRILYRDVMLENYWNLVSLGLCHFDMNII SMLEEGKEPWTVK  
SCVKIARKPRTPECVKGVVTDIPPCKTIKDLLPKEKSSTEAVFHTVVLERHESPDIEDFSFKEPQKNVHD  
FECQWRDDTGNYKGV LMAQKEGKRDRDRRDIENKLMNNQLGVSFHSHLPELQLFQEGEKMYECNQVEKS  
TNNGSSVPLQQIPSSVQTHRSKKYHELNFSLLTQRRKANSCGKPYKCNECGKAF TQNSNLTSHRRIHS  
GEKPYKCSECGKFTVRSNLTIHQVIHTGEKPYKCECGK VFRHNSYLATHRRIHTGEKPYKCNECGKAF  
RGHNL TTHQLIHTGEKPFKNECGK LFTQNSHLI SHWRIHTGEKPYKCNECGKAF SVRSSLAIHQTIHT  
GEKPYKCNECGK VFRYNSYLGRHRRVHTGEKPYKCNECGKAF SMHNSLATHQVIHTGTKPFKNECSKVF  
TQNSQLANHRRIHTGEKPYKCNECGKAF SVRSSL TTHQAIHSGEKPYKCECGK SFTQKSHLRSHRGIHS  
GEKPYKCNECGK VFAQTSQLARHWRVHTGEKPYKCNDCGRAF SDRSSLTFHQAIHTGEKPYKCECGKVF  
RHNSYLATHRRIHTGEKPYKCNECGKAF SMHNSL TTHKVIHTGEKPYKCNQCGK VFTQNSHLANHQRTHT  
GEKPYRCNECGKAF SVRSSL TTHQAIHTGKKPYKCNECGK VFTQNAHLANHRRIHTGEKPYRCECGKAF  
RVRSSL TTHMAIHTGEKRYKCNECGK VFRQSSNLASHHRMHTGEKPYK

TRTRPLE - GFP Tag - V

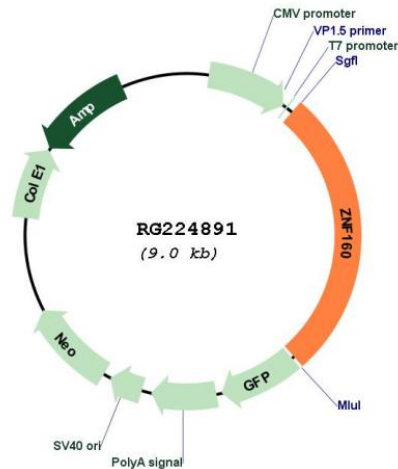
**Restriction Sites:** Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI  
 CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT  
  
 HindIII NheI RsrII MluI NotI XhoI GFP Tag  
 CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---  
 T R T R P L E M E S D - - -  
  
 PmeI FseI  
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT  
 - - E E R V Stop

**Plasmid Map:**


**ACCN:** NM\_001102603

**ORF Size:** 2454 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\\_001102603.1](#), [NP\\_001096073.1](#)

**RefSeq Size:** 4336 bp

**RefSeq ORF:** 2457 bp

**Locus ID:** 90338

**UniProt ID:** [Q9HCG1](#)

**Cytogenetics:** 19q13.41-q13.42

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene is a Kruppel-related zinc finger protein which is characterized by the presence of an N-terminal repressor domain, the Kruppel-associated box (KRAB). The KRAB domain is a potent repressor of transcription; thus this protein may function in transcription regulation. Multiple transcript variants have been found for this gene. [provided by RefSeq, Apr 2016]