OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC223660

ZNF160 (NM_198893) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF160 (NM_198893) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF160
Synonyms:	F11; HKr18; HZF5; KR18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC223660 ORF sequence, codon optimized.
Due to the complexity of NM_198893, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCTTACTCAGGTACGGTTGACATTTAGGGATGTGGCCATAGAATTCTCTCAGGAGGAGTGGAAAT
GCCTGGACCCTGCTCAGAGGATCTTATACAGGGACGTGATGTTGGAGAACTACTGGAACCTTGTTTCTCT
GGGACTGTGTCATTTTGATATGAATATTATCTCCATGTTGGAGGAAGGGAAAGAGCCCTGGACTGTGAAG
AGCTGTGTGAAAATAGCAAGAAAACCAAGAACGCGGGAATGTGTCAAAGGCGTGGTCACAGATATCCCTC
CTAAATGTACAATCAAGGATTTGCTACCAAAAGAGAAGAGCAGTACAGAAGCAGTATTCCACACAGTGGT
GTTGGAAAGACACGAAAGCCCTGACATTGAAGACTTTTCCTTCAAGGAACCCCAGAAAAATGTGCATGAT
TTTGAGTGTCAATGGAGAGATGACACAGGAAATTACAAGGGAGTGCTTATGGCCCAGAAAGAAGGTAAAA
GAGATCAACGCGACAGAAGAGACATAGAAAACAAGCTTATGAACAATCAGCTTGGAGTAAGCTTTCATTC
TCATCTGCCTGAACTGCAGCTATTTCAAGGTGAGGGGAACATGTATGAATGTAATCAAGTTGAGAAGTCT
ACCAACAATGGTTCCTCAGTGTCACCACTTCAACAAATTCCTTCTAGTGTCCAAACCCACAGGTCTAAAA
AATATCATGAACTTAACCATTTTTCATTACTCACACAAAGACGAAAAGCAAACAGTTGTGGAAAACCTTA
TAAATGTAATGAATGTGGCAAGGCGTTCACTCAGAATTCGAACCTTACAAGTCATAGGAGAATTCATAGT
GGAGAGAAGCCTTACAAATGCAGTGAGTGCGGCAAAACCTTTACTGTTCGTTCAAATCTAACTATTCATC
AGGTCATCCATACTGGAGAAAAACCTTACAAATGTCATGAGTGTGGCAAGGTCTTCAGGCACAATTCATA
CCTTGCAACTCATCGGCGAATTCATACTGGAGAGAAACCTTACAAGTGTAATGAGTGTGGAAAAGCCTTT
AGAGGACATTCAAACCTAACTACCCATCAGTTAATTCATACTGGAGAAAAACCGTTCAAATGTAATGAAT
GTGGCAAGCTCTTCACTCAAAATTCACACCTTATAAGTCATTGGAGAATTCACACTGGAGAGAAACCTTA
CAAGTGCAATGAGTGCGGCAAAGCCTTTAGTGTTCGTTCAAGCCTAGCAATCCATCAGACAATCCACACT
GGAGAAAAACCTTACAAATGTAATGAATGTGGCAAAGTCTTTAGGTACAATTCATACCTCGGAAGGCATC
GGAGAGTTCATACTGGTGAGAAACCTTACAAGTGTAATGAATGTGGCAAAGCCTTCAGTATGCATTCAAA
CCTAGCTACCCATCAGGTCATCCATACTGGAACAAAACCTTTCAAATGCAATGAATGCAGCAAGGTTTTC
ACTCAAAATTCACAACTTGCAAATCATCGAAGAATTCATACTGGAGAGAAACCTTACAAGTGTAATGAGT
GTGGGAAAGCCTTCAGTGTTCGTTCAAGTCTGACTACCCATCAGGCAATCCATTCTGGAGAGAAACCTTA
CAAATGTATTGAATGTGGCAAGAGCTTCACTCAAAAATCACACCTTAGAAGTCATCGGGGAATTCATTCT
GGAGAGAAACCTTACAAGTGTAATGAATGTGGTAAAGTCTTCGCTCAAACATCACAACTTGCAAGGCATT
GGAGAGTTCATACTGGAGAAAAACCTTACAAGTGTAATGACTGTGGCAGAGCCTTTAGTGATCGTTCAAG
CCTAACTTTTCATCAGGCAATACATACTGGAGAGAAACCTTACAAATGTCATGAATGCGGCAAGGTTTTT
AGGCACAATTCATACCTTGCAACTCATCGGCGAATTCATACTGGAGAGAAACCTTACAAGTGTAATGAGT
GTGGGAAAGCCTTTAGTATGCATTCAAACCTAACTACCCATAAGGTCATCCATACTGGAGAGAAGCCTTA
CAAATGTAATCAATGTGGCAAGGTCTTCACTCAGAACTCACACCTTGCAAATCATCAAAGGACTCACACC
GGAGAGAAACCTTACCGATGCAATGAGTGTGGGAAAGCCTTCAGTGTTCGTTCAAGCCTAACCACCCATC
AGGCAATCCATACTGGGAAAAAACCTTACAAATGTAATGAATGTGGCAAGGTCTTTACTCAAAATGCTCA
CCTGGCAAATCACCGAAGAATTCATACTGGGGAGAAACCTTACAGGTGTACAGAGTGTGGGAAAGCCTTT
AGGGTAAGATCAAGTCTAACTACCCATATGGCAATCCACACTGGAGAAAAGCGTTACAAATGTAATGAGT
GTGGCAAGGTCTTCAGGCAGAGTTCAAATCTTGCAAGTCATCACAGAATGCATACCGGAGAGAAACCTTA
CAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223660 representing NM_198893
Red=Cloning site Green=Tags(s)

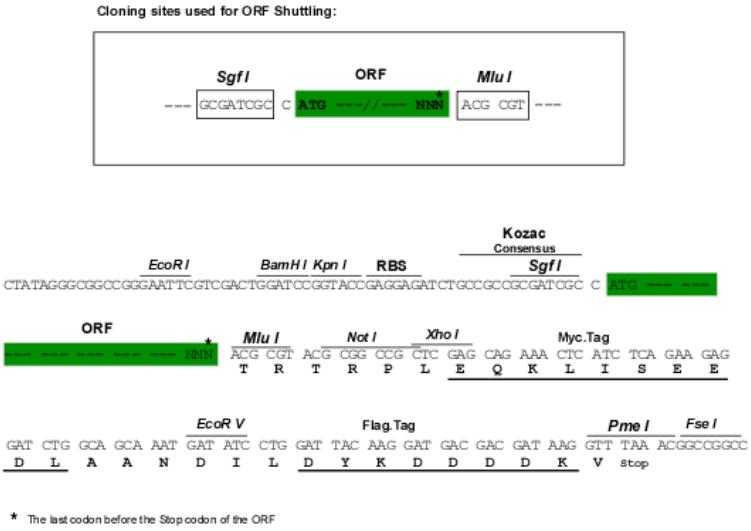
MALTQVRLTFRDVAIEFSQEEWKCLDPAQRILYRDVMLENYWNLVSLGLCHFDMNIISMLEEGKEPWTVK
SCVKIARKPRTRECVKGVVTDIPPKCTIKDLLPKEKSSTEAVFHTVVLERHESPDIEDFSFKEPQKNVHD
FECQWRDDTGNYKGVLMAQKEGKRDQRDRRDIENKLMNNQLGVSFHSHLPELQLFQGEGNMYECNQVEKS
TNNGSSVSPLQQIPSSVQTHRSKKYHELNHFSLLTQRRKANSCGKPYKCNECGKAFTQNSNLTSHRRIHS
GEKPYKCSECGKTFTVRSNLTIHQVIHTGEKPYKCHECGKVFRHNSYLATHRRIHTGEKPYKCNECGKAF
RGHSNLTTHQLIHTGEKPFKCNECGKLFTQNSHLISHWRIHTGEKPYKCNECGKAFSVRSSLAIHQTIHT
GEKPYKCNECGKVFRYNSYLGRHRRVHTGEKPYKCNECGKAFSMHSNLATHQVIHTGTKPFKCNECSKVF
TQNSQLANHRRIHTGEKPYKCNECGKAFSVRSSLTTHQAIHSGEKPYKCIECGKSFTQKSHLRSHRGIHS
GEKPYKCNECGKVFAQTSQLARHWRVHTGEKPYKCNDCGRAFSDRSSLTFHQAIHTGEKPYKCHECGKVF
RHNSYLATHRRIHTGEKPYKCNECGKAFSMHSNLTTHKVIHTGEKPYKCNQCGKVFTQNSHLANHQRTHT
GEKPYRCNECGKAFSVRSSLTTHQAIHTGKKPYKCNECGKVFTQNAHLANHRRIHTGEKPYRCTECGKAF
RVRSSLTTHMAIHTGEKRYKCNECGKVFRQSSNLASHHRMHTGEKPYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4520_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

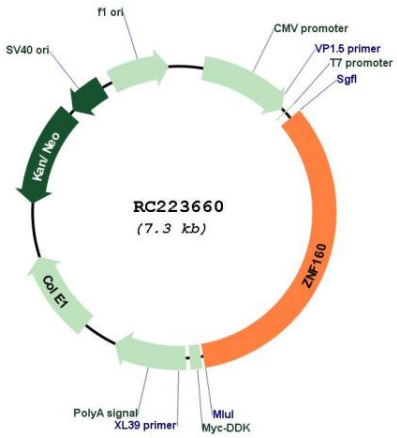


ACCN: NM_198893

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_198893.2
RefSeq Size:	4304 bp
RefSeq ORF:	2457 bp
Locus ID:	90338
UniProt ID:	Q9HCG1
Cytogenetics:	19q13.41-q13.42
Protein Families:	Transcription Factors
MW:	94.2 kDa
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]

Product images:



Circular map for RC223660