

Product datasheet for **RC227820**

ZNF438 (NM_001143770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143770) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF438
Synonyms:	bA330O11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227820 representing NM_001143770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATAGTGAATCAAACATCCCTTCTGGAACAATACAGAGTAGGAAAGTGTTCAGAATAAGAGTCAGT
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 ACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCCAAGCTGCTGGGGATGTCACCCAGAATAT
 GCCCTGATGCAGGTTGCTGGCCAGGAGGGACATTTTCTTTGTTGCTCTGCCACATGTTGCCTCAGCTC
 AGCCAATTAGAAACCCAGAATGTCCTACCTGAAAACCTGAAACTTCTATTCTAGATATCAACCCCC
 TAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGTATTTTCTAAGAGTGGCTGTAGCAAAGCTCT
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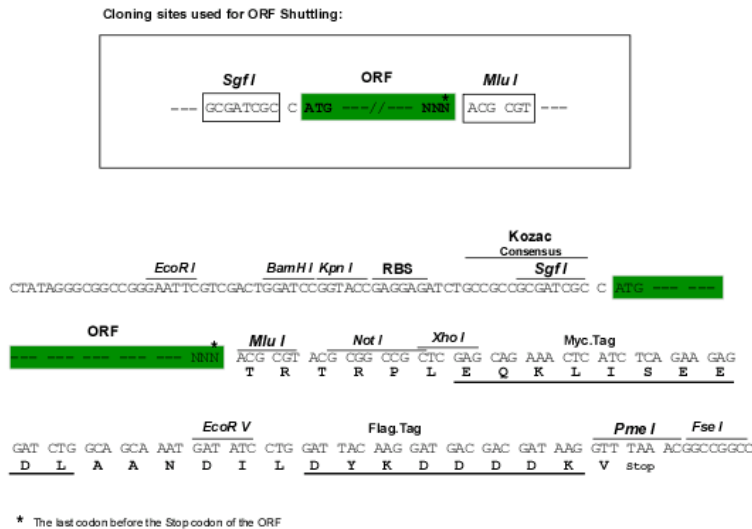
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227820 representing NM_001143770
 Red=Cloning site Green=Tags(s)

MDSESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLT SRMLPCHSPSRSDQVNLGPSINSKLLGMSTQNY
 ALMQVAGQEGTFSLVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILIFPKSGCSKAP
 AQTQMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAAL TNGSDHGDLRPPVTNTHGSLNPPATP
 ASSTPEEPAKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNL SPTILGNAVQLISSVPKG
 KLPIPPYSRMKTMEVYKIKSDANIAGFSLPGPKADCDKIPSTTEGFNAATKVASRLPVPQVSQQSACESA
 FCPPTKLDL NHKTKLNSGAAKRKGRKRKVPDEILAFQGGKRRKYIINKCRDGKERVKNDPQEFRDQKLGTL
 KKYRSIMPKPIMVIPTLASLASPTTLQSQMLGGLGQDVLLNNSLTPKYLGCKQDNSSSPKSSVFRNGFS
 GIKKPWHRCHVCNHHFQFKQHLRDMNTHNRRPYSCRICRKSIVRPGSLSTHMKLHHGENRLKKLMCCE
 FCAKVFVGHIRVYFGHLKEVHRVVISSTEPAPSELQPGDIPKNRDM SVRGMESLERENKSNLEEDFLLNQA
 DEVKLVQIKCGRCQITAQSF AEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPDKRHPERGGP
 EKVHSSSEESHACPRLLKRLHLHQNGVEMLMENEGPQSGTNKPRETCQGPECPGLHTFLLWSHSGFNCLL
 CAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEAEK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001143770

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_001143770.1](#), [NP_001137242.1](#)

RefSeq ORF: 2457 bp

Locus ID: 220929

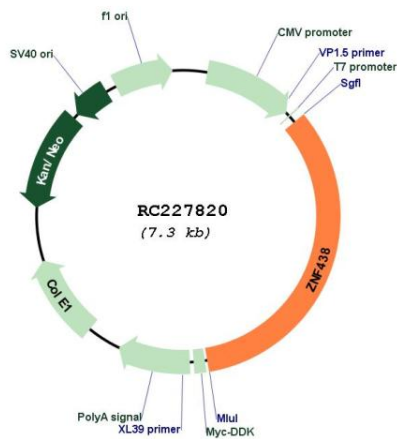
UniProt ID: [Q7Z4V0](#)

Cytogenetics: 10p11.23

MW: 90.6 kDa

Gene Summary: Isoform 1 acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227820