

Product datasheet for **RC227783**

ZNF438 (NM_001143767) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143767) 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:

>RC227783 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGAATTCTGTATCAGTACCACCAAAAGATGAAGGTGAATCAAACATCCCTTCTGGAACAATACAGA
GTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGACCATTGCACCAAAAATTGTGCCCAAAGTCCTAAC
GTCAGAAATGCTGCCATGTCATTACCATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCC
AAGCTGCTGGGGATGTCCACCCAGAAGTATGCCCTGATGCAGGTTGCTGGCCAGGAGGGACATTTTCTC
TTGTTGCTCTGCCACATGTTGCCTCAGCTCAGCCAATTGAGAAACCCAGAATGTCCTACCTGAAAACT
GAACTTCTATTCTAGATATCAACCCCTAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGATC
TTTCTAAGAGTGGCTGTAGCAAAGCTCCTGCCAAACCCAAATGTGTCCTCAGATGTCCCTTCCCAC
CTCACCACCTGAACTCCTGTACAAACCCAGTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCCAGC
CAGCATTAGCACAGCTGCGCTGACCAATGGAAGTACCATGGGGACTTGAGACCACAGTGACCAACACC
CATGGCAGTCTGAACCTCCTGCTACCCAGCATCATCCACACCAGAGGAGCCTGCCAAGCAGGACCTCA
CAGCTCTTTACAGGAAAGCACACTTTGTAAAGCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTGA
AAAATTTAAAGAACAAGTTGATCTTGCAAAAACCATGACCAATTTATCACCAACCATTCTTGGAATGCA
GTTGAGTTGATCTCTTCAAGTCCCAAGGGAAACTGCCAATCCCACCCTACTCAAGAATGAAGACAATGG
AGGTTTACAAAATCAAATCAGATGCTAACATTGCAGGTTTTTCTTACCAGGACCTAAGGCCGACTGTGA
TAAGATACCCTCCACCACAGAAGGCTTAAATGCAGCCACCAAGGTGGCAAGCAGGCTACCTGTTCCACAA
GTGTACAGCAGAGTGCCTGTGAAAGTGCCTTTGTCCACCCACCAACTTGATCTTAACCAAAAAACAA
AACTGAAACAGTGGAGCAGCAAAAGAGAAAAGGAAGAAAACGGAAGGTACCAGATGAAATTTTGGCATTTC
GGGAAAAAGGAGGAAATATATCATTAAATAAGTGTAGAGATGGTAAAGAAAGAGTAAAAAATGATCCCCAA
GAATTCAGAGACCAAAAGCTGGGGACCCTGAAAAAATACCGTAGCATTATGCCAAAACCTATCATGGTCA
TACCCACTTTGGCCTCCCTGGCTTCTCCAACACTACACTACAGTCCCAGATGCTTGGGGCCTAGGACAGGA
TGTTTTGTAAATAAATCACTCACTCCTAAATATCTTGGCTGTAAGCAAGACAACAGCTCTTCCCCTAAG
CCCAGCTCCGTGTTGAGAAATGGATTCTCTGGCATTAGAAGCCTTGGCACAGATGTCACGTCTGCAACC
ACCACTCCAGTTCAAACAGCACCTTCGAGACCACATGAATACACACACCAACAGACGCCCTTACAGTTG
TCGGATTTGTGCAAGTCTATGTACGCTCCTGGCAGCCTGAGCACACACATGAACTTCATCATGGTGAG
AACCGTCTGAAGAACTCATGTGTTGTGAGTTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTG
GCCATCTGAAAGAAGTGCATAGGTTGTGATCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGA
CATACCAAGAACAGAGACATGAGTGTGCGAGGCATGGAGGGATCATTGGAGAGGGAAAAACAAGTCCAAC
CTGGAAGAAGACTTCTTCTAAACCAGGCAGACGAAGTCAAATTAACAATCAAATGTGGTCTGTTGTCAGA
TTACTGCTCAGTCTTTGCGGAAATAAAATTTCAATTTACTTTGATGTTTATGGAGAGGAAATGAGGGCAG
GCTACAAGAAGGGACCTTCCCAGGAAGCAAGGGGACTCAGGAAGAGTTGGTGCAGCACGCTAGCCCCGAC
TGGAAAAGGCATCCTGAGAGAGGGAAGCCGGAGAAGGTTCAATTCCTCCTCCGAGGAATCATATGCATGTC
CAAGACTGAAAAGGCAGCTCCACCTTATCAGAATGGCGTGAAATGCTCATGGAAAATGAAGGACCCCA
GTCAGGAACCAACAAGCCAAGGAAACCTGCCAGGGCCCTGAGTGTCTTGGCCTCCACACGTTTCTCTTG
TGGTCCCATTGAGCTTTAACTGCCTGCTTTGTGCAAGATGCTGGGACGAAAGAGGACCTCCTCCACC
ACTGGAAGCACAGCATAACTGTGAGGACCTTCCAAACTGTGGGCTATTTTAAATACGGTCTCCAACCA
GGGAGTGATCGAACTTTCCAGTGAAGCTGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227783 protein sequence

Red=Cloning site Green=Tags(s)

MQNSVSVPPKDEGESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLT SRMLPCHSPSRSDQVNLGPSINS
KLLGMSTQNYALMQVAGQEGTFLVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILI
FPKSGCSKAPAQTQMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAAL TNGSDHGDLRPPVTNT
HGSLNPPATPASSTPEEPKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNL SPTILGNA
VQLISSVPGKLPIPPYSRMKTMEVYKIKSDANIAGFSLPGKADCDKIPSTTEGFNAATKVASRLPVPQ
VSQQSACESAFPCPTKLDL NHKTKLNSGAARKGRKRKVPDEILAFQGKRRKYIINKCRDGKERVKNPQ
EFRDQKLGTLKKYRSIMPKPIMVIPTLASLASPTTLQSQMLGGLGQDVLNNSLTPKYL GCKQDNSSSPK
PSSVFRNGFSGIKKPWHRCHVCNHHFQFKQHLRDMNHTNRRPYSCRICKRSYVRPGSLSTHMKLHHGE
NRLKKLMCFECAFVGHIRVYFGHLKEVHRVISTEPAPSELQPGDIPKNRDM SVRGMESLERENKSN
LEEDFLLNQADEVKLQIKCGRCQITAQSF AEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPD
WKRHRPERGKPEKVHSSSEESHACPRLKRQLHLHQNGVEMLMENE GPQSGTNKPRETCQGEPCPLHTFLL
WSHSGFNCLLCAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEAEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6591_a04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001143767

ORF Size: 2484 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_001143767.1](#), [NP_001137239.1](#)

RefSeq Size: 3119 bp

RefSeq ORF: 2487 bp

Locus ID: 220929

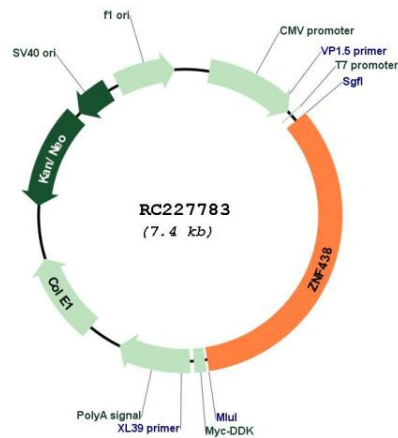
UniProt ID: [Q7Z4V0](#)

Cytogenetics: 10p11.23

MW: 91.8 kDa

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

Product images:



Circular map for RC227783