

Product datasheet for **RG227779**

ZNF438 (NM_001143766) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143766) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF438
Synonyms:	bA330O11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG227779 representing NM_001143766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCAGAATTCTGTATCAGTACCACCAAAAGATGAAGGTGAATCAAACATCCCTTCTGGAACAATACAGA
 GTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGACCATTGCACCAAAATTGTGCCAAAGTCCTAAC
 GTCCAGAATGCTGCCATGTCATTACCATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCC
 AAGCTGCTGGGGATGTCCACCCAGAACTATGCCCTGATGCAGGTTGCTGGCCAGGAGGGGACATTTCTC
 TTGTTGCTCTGCCACATGTTGCCTCAGCTCAGCCAATTGAGAAACCCAGAATGTCCTACCTGAAAACCT
 GAAACTTCCTATTCTAGATATCAACCCCTAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGATC
 TTTCTAAGAGTGGCTGTAGCAAAGCTCTGCCAAACCCAAATGTGCTCAGATGTCCCTTCCCCAC
 CTCACCACCTGAACTCCTGTACAAACCCAGTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCCAGC
 CAGCATTAGCACAGCTGCGCTGACCAATGGAAGTGACCATGGGGACTTGAGACCACCAAGTACCAACACC
 CATGGCAGTCTGAACCTCCTGCTACCCAGCATCATCCACACCAGAGGAGCCTGCCAAGCAGGACCTCA
 CAGCTCTTTGAGGAAAGCACACTTTGTAAAGCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTGA
 AAAATTTAAAGAACAAAGTTGATCTTGCAAAAACCATGACCAATTTATCACCAACCATTCTTGGAATGCA
 GTTCAGTTGATCTCTCAGTCCCAAGGGAACTGCCAATCCCACCCTACTCAAGAATGAAGACAATGG
 AGGTTTACAAATCAAATCAGATGCTAACATTGCAGGTTTTCTTTACCAGGACCTAAGGCCGACTGTGA
 TAAGATACCTCCACCACAGAAGGCTTTAATGCAGCCACCAAGGTGGCAAGCAGGCTACCTGTTCCACAA
 GTGTACAGCAGAGTGCCTGTGAAAGTGCTTTTGTCCACCCACCAAACTTGATCTTAACCAACAAACAA
 AACTGAACAGTGGAGCAGCAAGAGAGAAAAGGAAGAAAACGGAAGGTACCAGATGAAATTTTGGCATTTC
 GGGAAAAAGGAGGAAATATATCATTAAATAAGTGTAGAGATGGTAAAGAAAGAGTAAAAAATGATCCCAA
 GAATTCAGAGACCAAAAGCTGGGACCCTGAAAAAATACCGTAGCATTATGCCCAACCTATCATGGTCA
 TACCCACTTTGGCTCCCTGGCTTCTCCAATACTACAGTCCCAGATGCTTGGGGGCTAGGACAGGA
 TGTTTTGTAAATAATTCAGTCACTCCTAAATATCTTGGCTGTAAGCAAGACAACAGCTCTTCCCTAAG
 CCCAGCTCCGTGTTTCAAAATGGATTCTCTGGCATTAGAAGCCTTGGCACAGATGTACGCTGCAACC
 ACCACTTCCAGTTCAAACAGCACCTTCGAGACCACATGAATACACACCAACAGACGCCCTTACAGTTG
 TCGGATTTGTGCAAGTCTATGTACGCTCTGGCAGCCTGAGCACACACATGAACTTCATCATGGTGAG
 AACCGTCTGAAGAACTCATGTGTTGTGAGTTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTG
 GCCATCTGAAAGAAGTGCATAGGGTTGTGATCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGA
 CATACCAAGAACAGAGACATGAGTGTGCGAGGCATGGAGGGATCATTGGAGAGGGAAAAACAGTCCAAC
 CTGGAAGAAGACTTCTTCTAAACCAGGCAGACGAAGTCAAATTAACAATCAAATGTGGTCTGTCAGA
 TTAAGTCTCAGTCTTTTGCAGAAATAAAATTTCAATTTACTTGTGTTTATGGAGAGGAAATTGAGGGCAG
 GCTACAAGAAGGGACCTTCCCAGGAAGCAAGGGGACTCAGGAAGAGTTGGTGCAGCACGCTAGCCCCGAC
 TGGAAAAGGCATCCTGAGAGAGGGAAGCCGAGAGGTTTATTCTCCTCCGAGGAATCACATGCATGTC
 CAAGACTGAAAAGGCAGCTCCACCTTCATCAGAATGGCGTGGAATGCTCATGAAAAATGAAGGACCCCA
 GTCAGGAACCAACAAGCCAAGGAAACCTGCCAGGGCCCTGAGTGTCTGGCCTCCACACGTTTCTCTTG
 TGGTCCCATTCAGGCTTTAACTGCCTGCTTTGTGCAAGATGCTGGGACGGAAGAGGACCTCCTCCACC
 ACTGGAAGCACAGCATAACTGTGAGGACCTTCCAACTGTGGGCTATTTTAAATACGGTCTCCAACCA
 GGGAGTGATCGAACTTTCCAGTGAAGCTGAGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

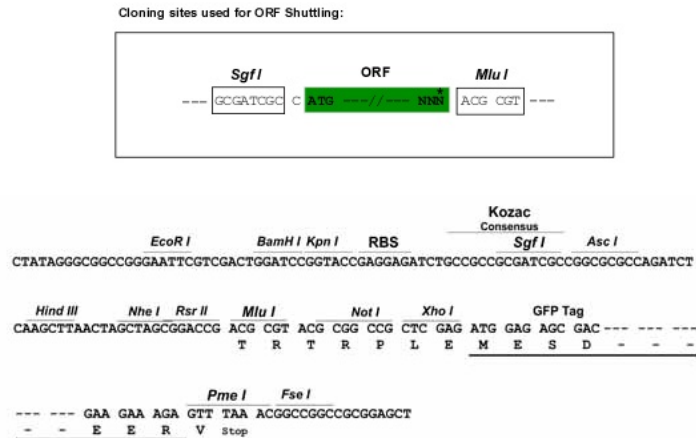
Protein Sequence: >RG227779 representing NM_001143766
 Red=Cloning site Green=Tags(s)

MQNSVSVPPKDEGESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLT SRMLPCHSPSRSDQVNLGPSINS
 KLLGMSTQNYALMQVAGQEGTFLVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILI
 FPKSGCSKAPAQTQMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAALTNGSDHGDLRPPVTNT
 HGSLNPPATPASSTPEEPKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNLSPTILGNA
 VQLISSVPGKLPPIPPYSRMKTMEVYKIKSDANIAGFSLPGPKADCDKIPSTTEGFNAATKVASRLPVPQ
 VSQQSACESAFCPPTKLDLNNHKTNLNSGAARKGRKRKVPDEILAFQGGKRRKYIINKCRDGKERVKNPQ
 EFRDQKLGTLKKYRSIMPKPIMVIPTLASLASPTTLQSQMLGGLGQDVLLNNSLTPKYLGCKQDNSSSPK
 PSSVFRNGFSGIKKPWHRCHVCNHHFQFKQHLRDHMNTHNRRPYSCRICKRSYVRPGSLSTHMKLHHGE
 NRLKKLMCCEFCAKVFGHIRVYFGHLKEVHRVVISTEPAPSELQPGDIPKNRDMSVRGMEGSLERENKSN
 LEEDFLLNQADEVKLQIKCGRCQITAQSFAEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPD
 WKRHPRGKPEKVHSSSEESHACPRLKRQLHLHQNGVEMLMENEGPQSGTNKPRETCQGPECPGLHTFLL
 WSHSGFNCLLCAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEAEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143766

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_001143766.1](#), [NP_001137238.1](#)

RefSeq Size: 3306 bp

RefSeq ORF: 2487 bp

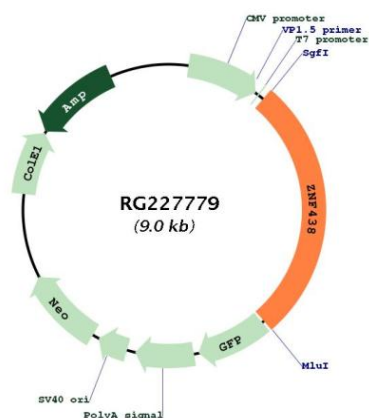
Locus ID: 220929

UniProt ID: [Q7Z4V0](#)

Cytogenetics: 10p11.23

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

Product images:



Circular map for RG227779