

Product datasheet for **RG227820**

ZNF438 (NM_001143770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF438 (NM_001143770) 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)



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ORF Nucleotide Sequence:

>RG227820 representing NM_001143770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATAGTGAATCAAACATCCCTTCTGGAACAATACAGAGTAGGAAAGTGTTCAGAATAAGAGTCAGT
 TTAGGACCATTGCACAAAAATTGTGCCAAAAGTCCCTAACGTCCAGAATGCTGCCATGTCATTACCCATC
 ACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCCAAGCTGCTGGGGATGTCACCCAGAATAT
 GCCCTGATGCAGGTTGCTGGCCAGGAGGGACATTTTCTTTGTTGCTCTGCCACATGTTGCCTCAGCTC
 AGCCAATTAGAAAACCCAGAATGTCCTACCTGAAAACCTGAAACTTCTATTCTAGATATCAACCCCC
 TAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGTATTTTCTAAGAGTGGCTGTAGCAAAGCTCT
 GCCCAAACCCAAATGTGCTCAGATGTCCCTTCCCACCTCACCACCCTGAACCTCTGTACAAACCCA
 GTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCCAGCCAGCATTAGCACAGCTGCGCTGACCAATGG
 AAGTGACCATGGGGACTTGAGACCACAGTGACCAACACCCATGGCAGTCTGAACCTCTGCTACCCCA
 GCATCATCCACACCAGAGGAGCCTGCCAAGCAGGACCTCACAGCTCTTTCAGGAAAGCACACTTTGTAA
 GCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTAAAAATTTAAAGAACAAGTTGATCTTGCAAA
 AACCATGACCAATTTATCACCAACCATTCTGGCAATGCAGTTCAGTTGATCTCTTCAGTCCCCAAAGGG
 AAAGTCCCAATCCCACCTACTCAAGAATGAAGACAATGGAGGTTTACAAAATCAAATCAGATGCTAACA
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 GAAGAAAACGGAAGGTACCAGATGAAATTTTGGCATTTCAGGAAAAAGGAGGAAATATATCATTAAATA
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 ACCACATGAATACACACACCAACAGACGCCCTTACAGTTGTGGATTTGTGCAAGTCTATGTACGTCC
 TGGCAGCCTGAGCACACACATGAACTTCAATCATGGTGAAGACCGTCTGAAGAACTCATGTGTTGTGAG
 TTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTGGCCATCTGAAAGAAGTGCATAGGGTTGTGA
 TCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGACATACAAAGAACAGAGACATGAGTGTGCG
 AGGCATGGAGGGATCATTGGAGAGGGAAAAACAAGTCCAACCTGGAAGAAGACTTCTCTAAACCAGGCA
 GACGAAGTCAAATTACAAATCAAATGTGGTCTGTTGTCAGATTACTGCTCAGTCTTTTGGGAAAATAAAAT
 TTCATTTACTTGATGTTTCATGGAGAGGAAATGAGGGCAGGCTACAAGAAGGGACCTTCCAGGAAGCAA
 GGGGACTCAGGAAGAGTTGGTGCAGCAGCTAGCCCCGACTGGAAAAGGCATCCTGAGAGAGGGAAGCCG
 GAGAAGGTTTCTCTCCTCCGAGGAATCACATGCATGTCCAAGACTGAAAAGGCAGCTCCACCTTCATC
 AGAATGGCGTGGAAATGCTCATGGAAAAATGAAGGACCCAGTCAAGAACCAAGCCAAAGGGAACCTG
 CCAGGGCCCTGAGTGTCTGGCCTCCACACGTTTCTCTTGTGGTCCCATTCAAGCTTTAACTGCCTGCTT
 TGTGCAGAGATGCTGGGACGAAAAGAGGACCTCTCCACCACTGGAAGCACCCAGCATAAAGTGTGAGGACC
 CTCCAAACTGTGGGCTATTTTAAATACGGTCTCCAACCAGGGAGTGATCGAACTTTCCAGTGAAGCTGA
 GAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG227820 representing NM_001143770
Red=Cloning site Green=Tags(s)

MDSESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLTSRMLPCHSPSRSDQVNLGPSINSKLLGMSTQNY
ALMQVAGQEGTFLVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILIFPKSGCSKAP
AQTQMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAAL TNGSDHGDLRPPVTNTHGSLNPPATP
ASSTPEEPAKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNLSPITILGNAVQLISSVPKG
KLPIPPYSRMKTMEVYKIKSDANIAGFSLPGPKADCDKIPSTTEGFNAATKVASRLPVPQVSQQSACESA
FCPPTKLDLNHKTKLNSGAAKRKGRKRKVPDEILAFQGGKRRKYIINKCRDGKERVKNDPQEFRDQKLGTL
KKYRSIMPKPIMVIPTLASLASPTTLQSQMLGGLGQDVLLNNSLTPKYLGCKQDNSSPKPSSVFRNGFS
GIKKPWHRCHVCNHHFQFKQHLRDMNTHNRRPYSCRICRKSIVRPGSLSTHMKLHHGENRLKKLMCCE
FCAKVFVGHIRVYFGHLKEVHRVVISSTEPAPSELQPGDIPKNRDM SVRGMESLERENKSNLEEDFLLNQA
DEVKLVQIKCGRCQITAQSF AEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPDKRHPERKGP
EKVHSSSEESHACPRLLKRLHLHQNGVEMLMENEGPQSGTNKPRETCQGPECPGLHTFLLWSHSGFNCLL
CAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEAEK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

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 Size: 3357 bp

RefSeq ORF: 2457 bp

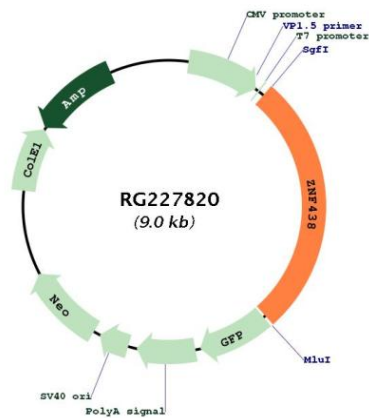
Locus ID: 220929

UniProt ID: [Q7Z4V0](#)

Cytogenetics: 10p11.23

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

Product images:



Circular map for RG227820