

Product datasheet for **RG235353**

ZNF638 (NM_001252612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF638 (NM_001252612) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF638
Synonyms:	NP220; ZFML; Zfp638
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235353 representing NM_001252612 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGAGACCCAGGTTTAATCCTCGAGGAGACTTTCCACTTCAAAGGCCACGAGCACCTAACCTTCTG
GGATGAGGCCTCCAGGACCATTTATGAGGCCTGGATCTATGGGTCTCCAAGATTTTACCAGCAGGGAG
AGCACGTGGAATCCACACAGATTTGCTGGCCATGAATCTTATCAGAACATGGGGCCACAGAGAATGAAT
GTTCCAGGTAACACACAGAACTGATCCAAGATTGACCAAAGAAAACTGGATTTTCATGAAGCACAAC
AGAAGAAGGGGAAGCCTCATGGTAGCCGGTGGGATGATGAGCCTCATATATCTGCATCAGTGGCAGTGAA
ACAGAGTTCTGTAAACACAGGTTACAGAGCAGAGTCCCAAAGTACAGAGCCGCTATACAAAAGAGAGTGCC
TCAAGTATCTTAGCAAGTTTGGATTATCTAATGAAGACCTAGAAGAAGTTAGTCGCTATCCTGATGAAC
AACTAACTCCTGAAAATATGCCATTAATTTTGGAGGATATAAGAAATGCGAAAAATGGGGCGCCGATTACC
TAATTTACCTTCTCAGAGCAGAAATAAGAAACACTTGGTAGTGAAGCAGTTTCAAGTAATGTGATCGAT
TATGGGCATGCAAGCAAATATGGCTACACAGAAGATCCACTTGAAGTACGTATTTATGATCCTGAAATTC
CAACTGATGAGGTCGAGAATGAATTTAGTCACAGCAGAACATTTCTGCATCTGTTCCCAATCCAAATGT
GATATGTAATTTCTATGTTTCTGTTGAAGACGTATTTGCGCAAATGGACTTCCCGGTGAGTCCCTCAAT
AATCGGTCCTTTTCTCAGTTGAGAGTGGAACCAAGATGTCAGGCTTACACATTTACAGGAGGACAGTCAG
TCCTTGAACCCATAAAATCCGTCACCAATCCATTAACCAAACAGTTAGCCAGACAATGAGTCAATCTCT
GATTCCTCCATCTATGAACCAGCAACCTTTTTCGTCGGAATTAATTTATCTGTAAAGCCAGCAAGAGCGG
ATCCACATGAACCTGTGATTAATTCATCTAACGTACATGTTGGATCAAGAGGAAGTAAAAGAATTACC
AGTCACAGGCTGACATTTCCATTCGGTCTCCCTTTGGTATTGTGAAGCATCCTGGCTACCAAAGTTTTC
ACATGCTGATGCCAGAAGATGAAGAGACTTCAAACCTCTTCTATGATGAATGATTATTATGCAGCATCT
CCAAGAATATTTCCACATTTGTGTTCTCTGTGTAACGTAGAATGTAGTCATTTGAAGGATTGGATTACG
ATCAAAATACATCTACTCATATTGAGAGCTGTCGACAGTTACGTCAACAGTATCCTGATTGGAATCTGA
GATCCTCCATCGAGAAGAAATGAGGGCAATAGAAAAGAAATGAACTCCAGCAAGACGTTCTCATTCC



[View online »](#)

CCCAGTCCTAGGCGTTCTAGAAGATCAAGCTCAAGTCACAGATCCGTCGGTCTCGAAGCCCAATGCATT
 ACATGTATAGGCCGAGAAGTCGAAGTCCAAGAATTTGCCATCGTTTCATTTCTAGATACAGATCCAGATC
 CAGATCCCGTTCCACCATATCGAATTAGAAATCCATTTAGAGGTAGTCCAAATGCTTTCGATCAGTTAGC
 CCTGAGAGGATGTCAAGGAGATCAGTGAGATCATCAGATAGAAAAAAGCATTAGAAGATGTAGTACAAC
 GATCTGGGCATGGGACAGAATTTAATAACAGAAGCATCTTGAAGCTGCTGATAAGGGACATTCACCAGC
 AAAAAAGCCTAAACTAGCAGTGGAAACAAACCATCAGTTAAACCTACAAGCGCTACAAAGAGTGATTCA
 AATCTAGGAGGACATTCTATTCGTTGTAAATCAAAGAATCTTGAAGATGACACTTTGTGAGAATGTAAC
 AGGTGTCGTGATAAAGCTGTTTCTCCAGCGAAAAGCTTCGGAAGAAGCAGTCATTGCATTATGGTTCGGT
 TCTTCTATAACTGAATTACCAGAGGATGGTGTACTGAAGAAGATGTGAGAAAATTATTTCAACCATT
 GGGAAAGTGAATGATGTCCTAATTGTTCCATATAGAAAAGAGGCTTACCTAGAAATGGAATTTAAAGAGG
 CAATTACTGCAATTATGAAGTACATTGAAACAACCTCTTACGATAAAAGGAAAAAGTGTGAAAATATG
 TGTTCAGGAAAGAAAAAGCACAGAACAAAGAGGTGAAGAAAAAGACTTTAGAGTCAAAGAAAGTATCT
 GCATCTACCTTAAAAAGAGATGCAGATGCTTCAAAGCTGTTGAAATTGTTACTTCAACTCTGCTGCCA
 AAAGTGGACAAGCCAAGGCATCTGTAGCCAAAGTAAACAAATCTACAGGGAATCAGCAAGTTCTGTAAA
 ATCTGTGGTAACGGTAGCTGTTAAAGGTAAAGCTTCAATCAAACAGCAAAATCTGGTGGAAAGAAG
 TCTCTAGAAGCCAAAAAGACTGGGAATGTCAAAAACAAAGACTCTAACAACCTGTGACTATACCAGAAA
 ACTCTGAAATAAAGACCAAGTATTGAAGTCAAAGCCACTGAAAAGTGTGCTAAAGAAGCTATTTCTGATGC
 TGCTTTGGAGGCCACAGAGAATGAACCACTTAACAAGGAAACAGAGAATGTGTGTGATGCTTGTCTCT
 AATTTGCCTAATAAGGATATTCTGTAGAAGAAGTTTATGACTTAGCAAAACCAATTTGGTGGTTAAAGG
 ATATCTTGATTTTATCATCTCATAAAAAGGCATATATAGAAATAAATAGAAAAGCTGCTGAGTCTATGGT
 AAAATTTTATACCTGCTTCCCAGTATTGATGGATGGAAATCAACTCTCAATAAGTATGGCTCCTGAAAAC
 ATGAATATAAAGATGAGGAAGCTATATTTATAACCTTGGTAAAAGAAAATGACCCAGAGGCAACATAG
 ATACAATTTATGATCGATTTGTACATCTTGATAATTTACCGGAAGATGGACTTCAGTGTACTTTGTGT
 TGGACTTCAGTTTGGAAAAGTGGATCACCATGTATTCATAAGTAATAGAAACAAGGCAATTTCTTCAGTTA
 GATAGTCTGAATCTGCTCAGTCAATGTATAGCTTTCTGAAACAAAATCCACAAAATATTGGTGACCATA
 TGTTGACCTGCTCATTATCTCCAAAGATAGACTTACCAGAGGTGCAAAATGAGCATGACCCAGAATTAGA
 AAAAGAAAGCCCTGGCTTGAAAAACAGTCCAATTGATGAAAGTGAAGTGCAAAACAGCAACTGATAGTCCC
 TCTGTTAAACCTAATGAGCTTGAAGAAGAAAGTACTCCCAGCATTCAAACAGAACTTTGGTACAGCAGG
 AAGAGCCTTGAGGAAGAAGCTGAAAAAGCAACATGTGATTCTGACTTTGCTGTTGAACTTTGGAGCT
 TGAAGTCAAGGAGAGGAGGTCAAAGAAGAAATTCCTCTGTAGCATCCGCTTCAGTCAGTATTGAACAA
 TTCACTGAAAATGCCGAGGAGTGTGCTTTAAATCAGCAGATGTTTAAAGTGAAGTGGAGAGAAAGGGG
 CAGAAATTATTAACCCTAAAACAGCATTGTTACCATCTGACAGTGTGTTGCAGAGAAGGAACCTCAA
 AGGAATTTCTAGAAGAATCTCCATCTGAAGCAGAAGATTTCAATTTCTGGAATTACACAGACTATGGTAGAA
 GCTGTAGCTGAAGTAGAAAAAATGAACTGTTTCGGAAATATTGCCATCAACTTGATTTGTGACGTTAG
 TACCAGGAATCCCCTGGGATGAGAAGACAGTGGACAAAAAGAATATTTCTGAAAAAAGGTAACAT
 GGATGAAAAGGAGGAGAAGGAATTTAATACTAAGGAAACCAGAATGGATCTTCAAATAGGAACAGAGAAG
 GCTGAAAAGAATGAAGGTAGGATGGATGCAGAAAAGGTGGAAGATGGCAGCAATGAAAGAAAAGCCTG
 CAGAAAACACTTTATTCAAGGCATACCCAAATAAAGGAGTGGGTCAGGCTAATAAGCCTGATGAACTAG
 TAAAAGTATGTTCTGGCTGTATCAGATGTATCTAGCAGTAAACCAAGCATCAAGGCTGTTATAGTCTCT
 TCTCCTAAGGCAAAAGCTACAGTTTCAAAAAGTGAAGTCAAGAAAAGTTTCCAAAATCTGTGCCAGAG
 ATCAAAATAAATGCTGAAAAGAACTTTACGCCAAGGAATTTGGTCTGCTTAAACCCACAAGTGCCAGGTC
 AGGCTTGGCAGAAAGCAGCAGTAAATCAACCTACTCAGAGCAGTCTTACCAGAGGAGGAGTGGAAAGG
 ATCTCAGCCCTGCAAGGCAAGCTTTCTAACTGGATTACAGAGATATAACAAAACAATCTCAGGAAACAG
 AGGCTAGACCTTCCATCATGAAACGGGATGACAGCAACAATAAGACTTTGGCTGAGCAAAACACTAAGAA
 TCCTAAAAGCACTACTGGTAGAAGTTCCAAATCTAAAGAGGAGCCATTATTTCCATTTAATTTGGATGAA
 TTTGTTACTGTGGATGAGGTTATAGAAGAAGTGAATCCTTCTCAGGCCAAGCAGAATCCACTAAAGGGA
 AAAGGAAAGAACTCTCAAAAATGTTCTTCTCTGAAGTAACTTAAAGAAGAAAAAGGGGAAAGCTTC
 CACTCCTCGTGGTGTGAGGGAGAACTATCTTTGTGACATTGGATGAGATTGGGGAAGAGGAAGATGCA
 GCTGCACATCTAGCACAAGCTCTAGTCACTGTGGATGAAGTAATTGATGAAGAAGAACTAAATATGGAAG
 AAATGGTAAAAAATCAATTCATTTTACATTAGATGAATTAATTGACCAAGATGATTGCATTTCCCA
 CAGTGAACCTAAAGATGTTACTGTTCTGTGTCAGTGGCTGAAGAACAAGATCTCTCAAACAGGAACGCTTG
 GTAAGTGTGGATGAAATTGGAGAAGTGAAGAGCTACCTTTGAATGAGTCAGCAGACATAACTTTTGCCA

CTTTAAATACTAAAGGAAATGAAGGAGATACTGTAAGGGATTCCATTGGCTTCATTTCTTCAGGTGCC
CGAAGACCCTTCTACTTTAGTTACTGTAGATGAAATACAAGATGACAGCAGTGATTTGCATTTAGTGACT
TTGGATGAAGTAACTGAAGAGGATGAAGACTCTCTGGCGGATTTTAAACACCTTAAAGAAGAGCTTAATT
TTGTTACTGTTGATGAAGTTGGAGAGGAGGAAGATGGAGATAATGATTTAAAAGTTGAGTTAGCACAAAG
CAAAAATGACCATCCACAGATAAAAAAGGGAATAGAAAGAAGAGAGCTGTGGACACAAAAAAGACAAAA
CTTGAATCCTTGTCCCAAGTGGGTCCAGTAAATGAGAATGTTATGGAAGAAGATCTAAAAACCATGATTG
AAAGACACTTAACAGCTAAACTCCAACCAAGAGAGTTAGAATTGGGAAAACCTGCCATCAGAAAAAGC
TGTTGTGACAGAACAGCAAAAGGTGAAGAGGCCTTCCAGATGAGTGAAGTTGATGAGGAATCTGGATTA
AAGGATTGAGAACAGAGCGAAAACGCAAGAAGACTGAAGACTCTTCTCAGGCAAAATCAGTGGCGTCTG
ATGTCCCTGAGGAATTAGACTTTCTGTACCTAAGGCTGGATTCTTCTGTCCAATTTGTTCCCTCTTCTA
CTCAGGTGAAAAAGCAATGACAAATCACTGCAAGAGTACACGTCATAAGCAAAATACTGAGAAATTCATG
GCCAAGCAAGAAAGGAAAAGGAGCAGAAATGAGGCTGAAGAAAGAAGCTCTAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG235353 representing NM_001252612

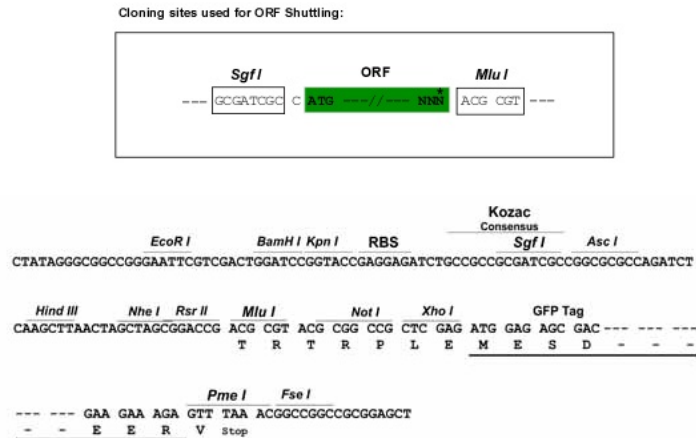
Red=Cloning site Green=Tags(s)

MSRPRFNPGRDFPLQRPRAPNPSGMRPPGPFMRPGSMGLPRFYFAGRARGIPHRFAGHESYQNMGPQRMN
VQVTQHRTPRLTKEKLDHEAQQKKGKPHGSRWDDEPHISASVAVKQSSVTQVTEQSPKVQSRYSKESA
SSILASFGLSNEDLEELSRYPDEQLTPENMPLILRDIRMRKMGRRLPNLPSQSRNKETLGSEAVSSNVID
YGHASKYGYTEDPLEVRIYDPEIPTDEVENEFSQSQNISASVPNPVINCNSMFPVEDVFRQMDPFGESSN
NRFFSVESGTMKSLHISGGQSVLEPIKSVNQSNQTVSQTMSQSLIPPSMNQQPFSELISVSQQR
IPHEPVINSSNVHVGSRGSKKNYQSQADIPIRSPFGIVKASWLPKFSHADAQKMKRLPTPSMMNDYYAAS
PRIFPHLCSLNCVESHKLDWIQHNTSTHIESCRQLRQQYPDWNPEILPSRRNEGNRKENETPRRRSHS
PSPRRSRSSSHRFRSRSPMHYMRPRSRPRICHRFISRYRSRSRSPYRIRNPFGRSPKCFRVS
PERMSRVRSSDRKKALEDVVQRSGHGTENKQKHLAADKGHSPAQPKTSSGTPKPSVKPTSATKSDS
NLGGHSIRCKSKNLEDDLSECKQVSDKAVSLQRKLKEQSLHYGSVLLITELPEDGCTEEDVRKLFQPF
GKVNVDLIVPYRKEAYLEMEFKEAITAIMKYIETPLTIKGSVKICVPGKKKAQNKVEKKKTLESKKVS
ASTLKRDAKAVEIVTSTSAKTGQAKASVAKVKNSTGKSASSVKS SVTVAVKGNKASIKTAKSGGKK
SLEAKKTGNVKNKDSNKPVTIPENSEIKTSIEVKATENCAKEAISDAALEATENEPLNKETEEMCVMLVS
NLPNKGYSVEEYDLAKPFGGLKDILILSSHKKAYIEINRKAESMVKFYTCFPVLMGDNQLSISMAPEN
MNIKDEEAIFITLVKENDPEANIDTIYDRFVHLDNLPEDGLQCVLCVGLQFGKVDHVFISNRNKAILQL
DSPESAQSMYSFLKQNPQNIQDHMLTCSLSPKIDLPEVQIEHDPELEKESPLKNSPIDESEVQTATDSP
SVKPNELEEEESTPSIQTETLVQQEEPCEEEAEKATCDSDFAVETLELETQGEVKEEIPLVASASVSIEQ
FTENAEICALNQMFNSDLEKKGAEIINPKTALLPSDSVFAEERNLKGILEESPSEAEFISGITQTMVE
AVAEVEKNETVSEILPSTCIVTLVPGIPTGDEKTVDKKNISEKGNMDEKEEKEFNTKETRMDLQIGTEK
AEKNEGRMDAEKVEKMAAMKEKPAENTLFKAYPNKGVGQANKPDETSKTSILAVSDVSSSKPSIKAVIVS
SPKAKATVSKTENQKSFPSVPRDQINAEKLSAKEFGLLKPTSARSGLAESSEKFKPTQSSLTRGSGR
ISALQGKLSKLDYRDITKQSQETEARPSIMKRDDSNKTLAEQNTKNPKSTTGRSSKSKEEPLFPFNLDE
FVTVDEVIEEVNPSQAKQNPLKGRKETLKNVPFSELNLKKKGKTSTPRGVEGELSFVTLDEIGEEEDA
AAHLAQALVTVDEVIDEELNMEEMVKNNSLFTLDELIDQDDCISHSEPKDVTVLVAEEQDLKQERL
VTVDEIGEVEELPLNESADITFATLNTKGNEGDTVRDSIGFISSQVPEDPSTLVTVDEIQDSSDLHLVT
LDEVTEEDEDSLADFNLLKEELNFVTVDEVGEEEDGDNDLKVELAQSKNDHPTDKKGNRKKRAVDTKTK
LESLSQVGPVNENVMEDLKTMIERHLTAKTPTKRVRIGKTLPEKAVVTEPAKGEEAFQMSEVDEESGL
KDSEPERKKKTEDSSSGKSVASDVPEELDFLVPKAGFFCIPICSLFYSGEKAMTNHCKSTRHKQNTKFM
AKQRKEKEQNEAEERSSR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252612

ORF Size: 5934 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_001252612.1](#), [NP_001239541.1](#)

RefSeq Size: 6842 bp

RefSeq ORF: 5937 bp

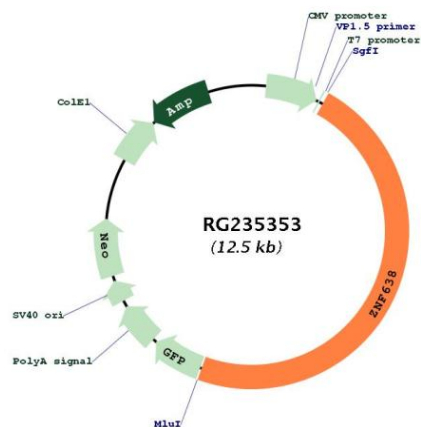
Locus ID: 27332

UniProt ID: [Q14966](#)

Cytogenetics: 2p13.3-p13.2

Gene Summary: The protein encoded by this gene is a nucleoplasmic protein. It binds cytidine-rich sequences in double-stranded DNA. This protein has three types of domains: MH1, MH2 (repeated three times) and MH3. It is associated with packaging, transferring, or processing transcripts. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG235353