

Product datasheet for **RG211736**

ZNF700 (NM_144566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF700 (NM_144566) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF700
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG211736 representing NM_144566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCCCTGCTGTAGTCACAGGAGCTGTAGAGAGGACCCCGGTACATCTGAAAGCCGGGAAATGGACCCAG
 TGGCCTTTGAGGATGTGGCTGTGAACCTCACCCAGGAAGAGTGGACATTGCTGGATATTTCCAGAAAGAA
 TCTCTTCAGGGAAGTGATGCTGGAACTTTCAGGAACCTGACCTCTATAGGAAAAAATGGAGTGACCAG
 AACATTGAATATGAGTACCAAAACCCAGAAAGCTTCAGGAGTCTCATAGAAGAGAAAGTCAATGAAA
 TTAAAGAAGACAGTCATTGTGGAGAACTTTTACCCAGGTTCCAGATGACAGACTGAACTTCCAGGAGAA
 GAAAGCTTCTCCTGAAGTAAATCATGTGACAGCTTTGTGTGTCAGAAGTTGGCATAGGTAACATCATCT
 TTTAATATGAGCATCAGAGGTGACACTGGACACAAGGCATATGAGTATCAGGAATATGGACCAAGCCAT
 ATAAGTGTCAACAACCTAAAAATAAGAAAGCCTTCAGGTATCGCCATCCATTAGAACACAAGAAAGGGA
 TCACACTGGAGAGAAACCTATGCTTGTAAAGTCTGTGGAAAAACCTTTATTTTCCATTCAAGCATTCTGA
 AGACACATGGTAAATGCACAGTGGGGATGGAACCTATAAATGTAAATTTTGTGGGAAAGCCTTCCATTCTT
 TCAGTTTATATCTTATCCATGAAAGAACTCACACTGGAGAGAAACCATATGAATGTAACAAATGTGGTAA
 ATCCTTTACTTATTCTGTACCCCTTCAAATACATGAAAGAACTCACACTGGGAGAGAGCCCTATGAATGT
 AGCAAAATGTGATAAAGCATTTTCATAGTTCTAGTTCCTATCATAGACATGAAAGAAGTACATGGGAGAGA
 AGCCTTATCAATGCAAAGATGTGGAAAAGCATTTGCATATACCAGTTCTCTTCGTAGACATGAAAGGAC
 CCACTCTGGGAAAAAACCGTATGAATGTAAGCAATATGGGGAAGGCTTATCCTATCTTATAAGTTTTCAA
 ACACACATAAGAATGAACTCTGGAGAAAGACCTTATAAATGTAAGATATGTGGGAAAGGCTTTTATTCTG
 CCAAGTCATTTCAAACACATGAAAAAAGCTCACACTGGAGAGAAACGCTATAAATGCAAGCAATGTGGTAA
 AGCCTTCAATCTTTCCAGTTCCCTTTCGATATCATGAAAGGATTACACTGGAGAGAAACCTATGAGTGT
 AAGCAGTGTGGGAAAGCCTTCAGATCTGCCTCACAGCTTCGAGTGCACGGTGGGACTCACACTGGAGAGA
 AACCTATGAATGTAAGGAATGTGGGAAAGCCTTCAGATCTACCTCACACCTTCGAGTGCATGGTAGGAC
 TCATACTGGAGAGAAACCTATGAATGTAAGGAATGTGGGAAAGCCTTCAGATATGTGAAGCACCTTCAA
 ATTCATGAAAGGACAGAAAAACATAAGAATGCCCTCTGGAGAAAGACCTTATAAATGTAGTATATGTG
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 ATGCAACCAATGTGGTAAAGCCTTCAGATGTTGCAATTCCTTCGATATCATGAAAGGACTCACACTGGA
 GAGAAACCTATGAGTGTAAAGCAATGTGGGAAAGCCTTCAGATCTGCCTCACACCTTCGAATGCATGAAA
 GGACTCACACTGGAGAGAAACCTATGAGTGTAAAGCAATGTGGGAAAGCCTTCAGTTGTGCCTCAAACCT
 TCGAAAGCATGGTAGGACTCACACTGGAGAGAAACCTATGAGTGTAAAGCAATGTGGGAAAGCCTTCAGA
 TCTGCCTCAAACCTTCAGATGCATGAAAGGACTCACACTGGAGAGAAACCTATGAATGTAAGGAATGCG
 AAAAGCATTCTGTAATTCTCTCTTTTCAAATACATGAAAGGAAGCACAGAGGAGAGAGAGCCCTATGA
 ATGTAAGCATTGTGGGAATGGATTACATCTGCCAAGATTCTTCAAATACATGCAAGAACACACATTGGA
 GAGAAACACTATGAATGTAAGGAATGCGGAAAAGCATTCAATTATTTTCTTCTTGCATATACACGCAA
 GGACTCATATGGGAGAGAAAGCCATATGAATGTAAGGATTGTGGGAAAGCATTGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG211736 representing NM_144566
 Red=Cloning site Green=Tags(s)

MPCCSHRSCREDPGTSESREMDPVAFEDVAVNFTQEEWTLTLDISQKNLFREVMLETFRNLTSIGKKWSDQ
 NIEYEYQNPRRSFRSLIEEKVNEIKEDSHCGETFTQVPDDRLNFQEKASPEVKSCDSFVCAEVGIGNSS
 FNMSIRGDTGHKAYEYQYGPYPKQKQPKNKKAFYRPSIRTQERDHTGEKPYACKVCGKTFIFHSSIR
 RHMVMHSGDGTYSKCFKCFKAFHSFSLYLIERHTHTGEKPYECKQCGKSFTYSATLQIERHTHTGEKPYEC
 SKCDKAFHSSSYHRHERSHMGEKPYQCKEKGKAFAYTSSLRRHERTHSGKKPYECKQYGEGLSYLISFQ
 THIRMNSGERPYKCKICGKGFYSKSFQTHEKTHTEKRYKCKQCGKAFNLSSSFYHERIHTGEKPYEC
 KQCGKAFRSASQLRVHGGTHTGEKPYECKEKGKAFRSTSHLRVHGRHTHTGEKPYECKEKGKAFRYVKHLQ
 IHERTEKHIRMPSGERPYKCSICEKGFYSKSFQTHEKTHTEKPYECNQCGKAFRCNSLRYHERHTHTG
 EKPYECKQCGKAFRSASHLRMHRTHTGEKPYECKQCGKAFSCASNLRKHGRHTHTGEKPYECKQCGKAFR
 SASNLQMHRTHTGEKPYECKEKGKAFCKFSSFIHERKHGEKPYECKHCGNGFTSAKILQIHARTHIG
 EKHYECKEKGKAFNYFSSLHIHARTHMGEPYECKDCGKAFS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144566

ORF Size: 2226 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_144566.3](#)

RefSeq Size: 2884 bp

RefSeq ORF: 2229 bp

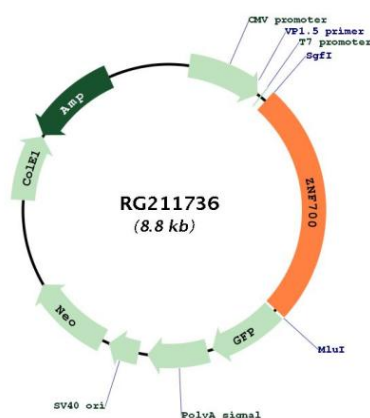
Locus ID: 90592

UniProt ID: [Q9H0M5](#)

Cytogenetics: 19p13.2

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211736