

Product datasheet for **RG234814**

ZNF700 (NM_001271848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF700 (NM_001271848) 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:**

>RG234814 representing NM_001271848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCTGCTGTAGTCACAGGAGCTGTAGAGAGGACCCCGGTACATCTGAAAGCCGGGAAATGATGTTTC
 AGGACCCAGTGGCCTTTGAGGATGTGGCTGTGAATTCACCCAGGAAGAGTGGACATTGCTGGATATTTCC
 CCAGAAGAATCTCTTCAGGGAAGTGATGCTGGAACTTTTCAGGAACCTGACCTCTATAGGAAAAAATGG
 AGTGACCAGAACATTGAATATGAGTACCAAAACCCAGAGAAGCTTCAGGAGTCTCATAGAAGAGAAAG
 TCAATGAAATTAAGAAGACAGTCATTGTGGAGAACTTTTACCCAGGTTCCAGATGACAGACTGAACTT
 CCAGGAGAAGAAAGCTTCTCCTGAAGTAAATCATGTGACAGCTTTGTGTGTGCAGAAGTTGGCATAGGT
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 AGAAAGGGATCACACTGGAGAGAAACCTATGCTTGTAAAGTCTGTGGAAAAACCTTTATTTTCCATTCA
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 GCCCTATGAATGTAAGCATTGTGGGAATGGATTACATCTGCCAAGATTCTTCAAATACATGCAAGAACA
 CACATTGGAGAGAAACACTATGAATGTAAGGAATGCGGAAAAGCATTCAATTATTTTCTTCCTTGCCATA
 TACACGCAAGGACTCATATGGGAGAGAAGCCATATGAATGTAAGGATTGTGGGAAAGCATTACAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

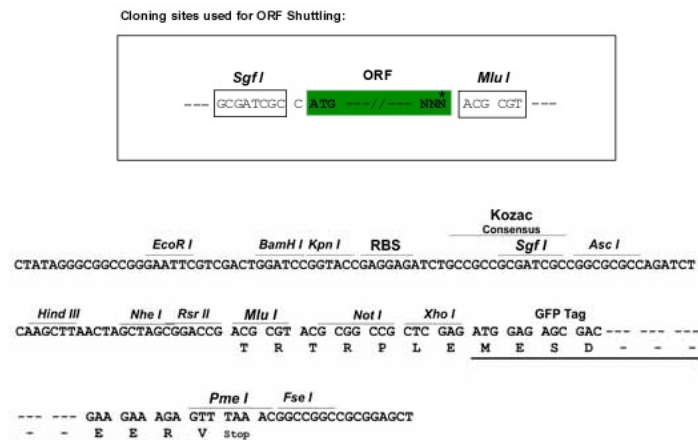
Protein Sequence: >RG234814 representing NM_001271848
 Red=Cloning site Green=Tags(s)

MPCCSHRSCREDPGTSESREMMFQDPVAFEDVAVNFTQEEWTLDDISQKNLFREVMLETFRNLT SIGKKW
 SDQNI EYEQNPRRSFRSLIEEKVNEIKEDSHCGETFTQVDDRLNFQEKASPEVKSCDSFVCAEVGIG
 NSSFNMSIRGDTGHKAYEYQEYGPKYKQPKNKKAFRYRPSIRTQERDHTGEKPYACKVCGKTFIFHS
 SIRRHVMHSGDGTCKFCGKAFHSFSLYL IHERHTGEKPYECKQCGKSFTYSATLQIHERHTGEKP
 YEC SKCDKAFHSSSSYHRHERSHMGEKPYQCKEKGAFAYTSSLRRHERTHSGKKPYECKQYGEGLSYLI
 SFQTHIRMNSGERPYKCKICGKGFYSAKSFQTHEKHTGEKRYKCKQCGKAFNLSSSFYHERIHTGEKP
 YECKQCGKAFRSASQLRVHGGTHTGEKPYECKEKGAFRSTSHLRVHGRHTHTGEKPYECKEKGAFRYVK
 HLQIHERTEKHIMP SGERP YKCSICEKGFYSAKSFQTHEKHTHTGEKPYECNQCGKAFRCCNSLRYHERT
 HTGEKPYECKQCGKAFRSASHLRMHRTHTGEKPYECKQCGKAFSCASNLRKHGRHTHTGEKPYECKQCGK
 AFRSASNLQMHERHTHTGEKPYECKEKEAFCKFSSFQIHERKHRGEKPYECKHCGNGFTSAKILQIHART
 HIGEKHYECKEKGAFNYFSSLHIHARTHMGEPYECKDCGKAFS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271848

ORF Size: 2235 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_001271848.1](#), [NP_001258777.1](#)

RefSeq Size: 2901 bp

RefSeq ORF: 2238 bp

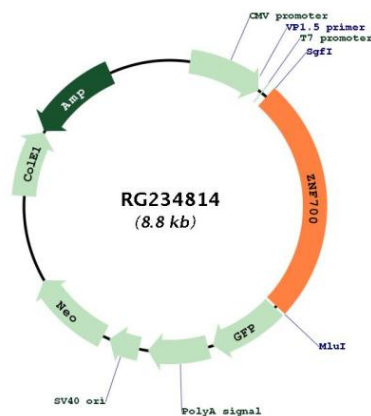
Locus ID: 90592

UniProt ID: [Q9H0M5](#)

Cytogenetics: 19p13.2

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

Product images:



Circular map for RG234814