

Product datasheet for **RG204294**

ZNF688 (NM_145271) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ZNF688 (NM_145271) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: ZNF688
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG204294 representing NM_145271
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGCCCCAGCCCCGCTCCTGGCGCCGAGGCCCGGGGAGACCCGGCCTGGTTGCAGGAAGCCCC
 GGACTGTGAGCTTCGCGGACGTGGCCGTACTTCTCCCCGAGGAGTGGGGCTGTCTGCGGCCCGCGCA
 GAGGGCTCTGTACCGGGACGTGATGCAGGAGACCTACGGCCACCTGGGCGCGCTCGGATCCCAGGCCCC
 AAACCAGCCCTCATCTCTTGGATGGAACAGGAGAGTGAAGCTTGGAGCCCCCGCCAGGATCCTGAGA
 AGGGGAAAGACTGGGAGGAGCTCGGAGAGGAGATGTCCAAACAGGAAGGAAGAGAACCGGAGGAAGT
 CCAAGAGCCAAAGGGCCTAGAAAGGCTCCTGTGAAGGAGAGTCCCTGAAGTGCTGGTGAACGCAACCTT
 GACCCAGCTATTAGCGTGGCCCCGGCACGGGCACAGCCACCCAAAAATGCTGCCTGGGACCCGACCACAG
 GAGCACAGCCCCCGCACCCATACCCAGCATGGATGCTCAGGCCGGCCAGCGGCGCCACGTGTGCACGGA
 CTGCGGCCCGCGCTTACCTACCCTCACTGCTGGTCAGCCACAGGCGCATGCACTCGGGGGAGCGGCCCT
 TTCCCCTGCCCGAGTGTGGCATGCGCTTCAAGAGGAAGTTCGCAGTGGAAGCGCACCAAGTGGATCCACC
 GCTCCTGCTCCGGGGGGCGGGGGCCGGAGGCCCTGGGATCCGGGCTGTGCTCGGGCCCCCGTCCGAGG
 TGACCGGGACCCGCTGTGCTCTCCGGCACTACCCAGACATCTTCGAGGAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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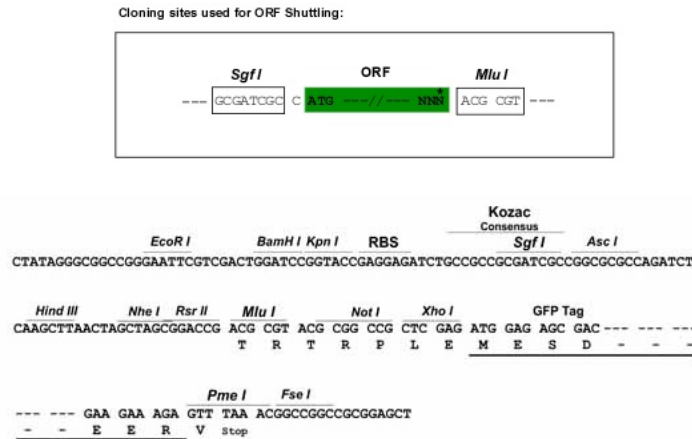
Protein Sequence: >RG204294 representing NM_145271
Red=Cloning site Green=Tags(s)

MAPPPAPLLAPRPGETRPGCRKPGTVSFADVAVYFSPEEWGLRPAQRALYRDVMQETYGHLGALGFPGP
 KPALISWMEQESEAWSPPAAQDPEKGERLGGARRGDVPNRKEEPEEVPRAKGPRKAPVKESPEVLVERN
 DPAISVAPARAQPPKNAAWDPPTTGAQPPAPIPSMDAQAGQRRHVCTDCGRRFTYPSLLVSHRRMHSGERP
 FPCPECGRMRFKRKF AVEAHQWIHRSCSGRRRGRPGIRAVPRAPVRGDRDPPVLF RHYPDIFEECG

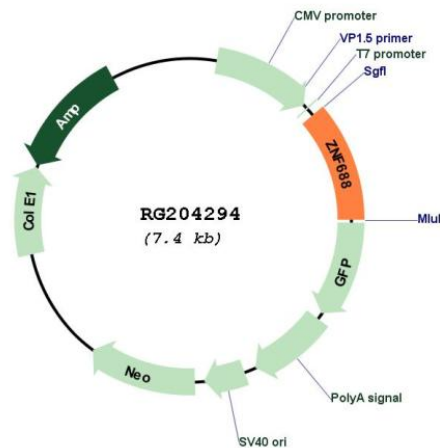
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145271

ORF Size: 828 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:	<ol style="list-style-type: none">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_145271.3 , NP_660314.1
RefSeq Size:	1839 bp
RefSeq ORF:	831 bp
Locus ID:	146542
UniProt ID:	P0C7X2
Cytogenetics:	16p11.2
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]