

Product datasheet for **RG208945**

ZNF7 (NM_003416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF7 (NM_003416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF7
Synonyms:	HF.16; KOX4; zf30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208945 representing NM_003416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGGTAACATTTGGCGATGTGGCTGTGCACCTTCTCGGGAGGAGTGGCAGTGTCTGGACCCTG
 GCCAGAGGGCCCTCTACAGGGAAGTGATGCTGGAGAACCACAGCAGTGTGGCTGGACTAGCAGGATTCTT
 GGTTCCTAAGCCTGAGCTGATCTCTCGGCTGGAGCAGGGAGAAGAGCCATGGGTCCTCGACTGCAGGGA
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 TCAGAATCCTGGCTTTGGAGACGTTTCTGATTCTGAGGTCTGGTTAGACAGTCATCTGGGCAGTCCCGGG
 CTGAAAGTGACAGGCTTTACCTTCCAAAATAACTGTTTGAATGAGGAGACTGTGGTTCCCAAGACCTTCA
 CCAAGGACGCACCCAGGGATGTAAGGAGCTGGGAAGCAGCGGCCTGGATTGTCAGCCTCTTGAAAGTCA
 GGGAGAGAGTGCAGGAGGGATGTCCAGAGATGCGAGGAGTGTGGCAAAGGCATCAGAGCCACTTCAGAT
 ATCGCTCTGCATTGGGAAATTAATACACAGAAAATTAGCAGATGTCAAGAATGCCAAAAAAGTTATCTG
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 CACACAGCTTACAATACATCAAAGGTTACACTGGAGAGAGGCCCTATAAATGTAATGAATGTGGGAAA
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 GAATTCACACCGGGGAGAAGCCTTATAAATGCAATGACTGTGGCAAAGCTTTTAAATCGTAGCTCAAGGCT
 TACCCAGCATCAAAAATTCACATGGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208945 representing NM_003416
Red=Cloning site Green=Tags(s)

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MEVVTFGDVAVHFSREEWQCLDPGQRAL YREVMLNHSSVAGLAGFLVFKPELISRLEQGEPEWVLDLQG
AEGTEAPRTSKTDSTIRTENEQACEDMDILKSESYGTVVRI SPQDFPQNPFGVDVSDSEVWLD SHLGSPG
LKVTGFTFQNNCLNEETVVPKTF TKDAPQGCKELGSSGLDCQPLESQGESAEGMSQRCEECGKGIRATSD
IALHWEINTQKISRQCQCQKLSDC LQGGKHTNNCHGEKPYECAECGKVFRLCSQLNQHQRIHTGEKPFKC
TECGKAFRLSSKLIQHQR IHTGEKPYRCEECGKAFGQSSSLIHHQR IHTGERPYGCRECGKAFSQQSQLV
RHQRTHTGERPYPCKEKGKAFS QSSTLAQHQR MHTGEKAQILKASDSPSLVAHQRIHAVEKPFKCECGK
AFRWISRLSQHQLIHTGEKPYKCNKCTAFGCSSRLIRHQRTHTGEKPFKCECGKGFVQGSHLIQHQRI
HTGEKPYVNCDCGKAFS QSSSL IYHQRIHKGEKPYECLQCGKAFSMSTQLTIHQRVHTGERPYKCNCEGK
AFSQNSTL FQHQIIHAGVKPYECSECGKAFSRSSYLIEHQRIHTRAQWFYEYGNALGEGSTFVSRKKVNTI
KKLHQCEDCEKIFRWRSHLIIHQRIHTGEKPYKCNDCGKAFNRSSRLTQHQKIHMG
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003416

ORF Size: 2058 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_003416.4](#)

RefSeq Size: 2351 bp

RefSeq ORF: 2061 bp

Locus ID: 7553

UniProt ID: [P17097](#)

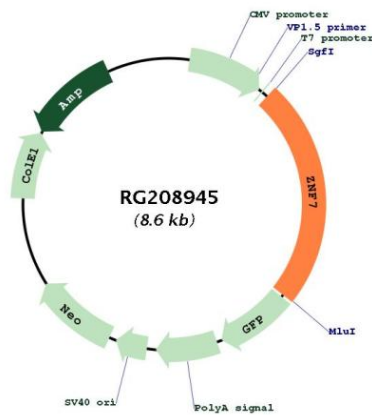
Cytogenetics: 8q24.3

Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

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

Product images:



Circular map for RG208945