

Product datasheet for **RG211940**

Zinc finger protein 460 (ZNF460) (NM_006635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zinc finger protein 460
Synonyms:	HZF8; ZNF272
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG211940 representing NM_006635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGCGCGCGTGGATGGCTCCGGCGCAGGAGTCTGTGACCTTCGAGGATGTGGCTGTGACATTTACCC
 AGGAGGAGTGGGGCAGTTGGACGTGACCCAGAGGGCCTTGTACGTGGAGGTGATGCTGGAGACCTGTGG
 GCTTCTGGTCGCACTGGGTGACAGCACAAACCTGAGACCGTAGAGCCTATCCCTTCTCATCTGGCCTTG
 CCTGAGGAAGTCTCACTCCAGGAACAGCTGGCAGAGGAGTCCCAAGATACTCTATTTGGGGCAGGCCA
 TGGATCAAGATGGCCATCTGAAATGCAGGAATACTTTTGAGACCAGGGACAGACCCACAGAGTGAGAA
 ACTCCATGGGAAAATGAGCCTTGAACACGAAGGTTTGGCGACAGCTGATGGTATTTGTTCAATGATGATA
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 TTCATGAAGGGGAAAATTCCTATAAATTCGAGGAAATGTTTAAAGAGAATTGCTTCCTTGTTGAGCATGA
 GCAGATTCTCCCTCGTGTGAAGCCCTATGATTGCCCAGAATGTGGGAAAGCCTTCGGCAAGAGCAACAC
 CTCCTTCAGCATCACATCATCCATACTGGGGAGAAGCCCTATAAATGCCTGGAGTGTGGGAAAGACTTCA
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 TAGCATCCACACTGGAGAGAAGCCCTATGAATGCGTGGAGTGGGGAAGGCCCTTCAACCGCAGGTACCC
 CTCACAAGGCACCGCGGATTCACTGCAGAGAAGTCCACGAACCCATCCAGAGTGGGAAAGCCTTTCTT
 GTGAGAGCACAGATCTCATTCAACTCCATCATCCACTGAGAGTAGCCAGTGAAGTGAATAT
 GGAAACGCCTTCAATTGCCGCTCATTCCTCTCACTCGACATCAACGGATTCAAGTGAAGAAACCTTA
 CCATTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

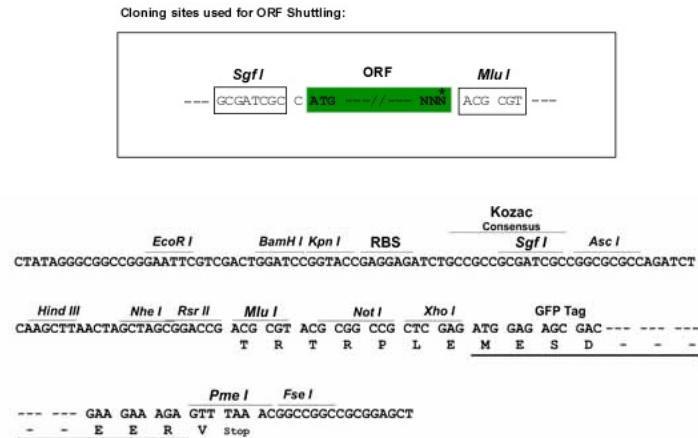
Protein Sequence: >RG211940 representing NM_006635
 Red=Cloning site Green=Tags(s)

MAAAWMAQAQESVTFEDVAVTFTQEEWGQLDVTQRALYVEVMLETGLLVALGDSTKPEVPIPSHLAL
 PEEVSLQEQLAQGVPRYSYLGQAMDQDGPSEMQEYFLRPGTDPQSEKLHGKMSLEHEGLATADGICSMMI
 QNQVSPEDALYGFDSYGPVTDLSLIEGENSYKFEEMFNENCFVQHEQILPRVKPYDCPECGKAFGKSKH
 LLQHIIHTGEKPYKLECGKDFNRRSHLTRHQRTHNGDKPFVCECGRTFNRGSHLTRHQRVHSGEKPF
 VCNECGKAFTYRSNVLHNKSHNEKKPFACSECGKGFYESTALIQHFIHTGERPFKLECGKAFNCRSH
 LKQHERIHTGEKPFVCSQCGKAFTHYSTYVLHERAHTGEKPFCECKGKAFSIRKDLIRHFNHTGEKPY
 ECLQCGKAFTRMSGLTRHQRVHTGEKPYVCIQCGKAFCRITNLIRHFSIHTGEKPYECVCGKAFNRRSP
 LTRHQRHTAEKSHEPIQSGNVSCSTDLIQHSIHTESSPVSAVNMETPSIAAHSSSLDINGFIVEETL
 PL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006635

ORF Size: 1687 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006635.4](#)

RefSeq Size: 3140 bp

RefSeq ORF: 1689 bp

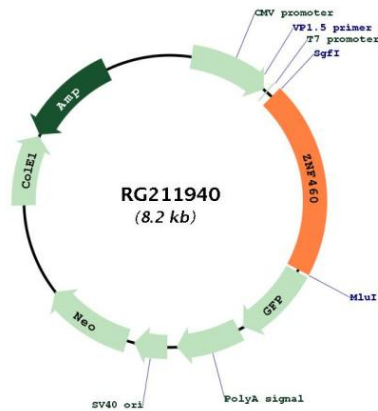
Locus ID: 10794

UniProt ID: [Q14592](#)

Cytogenetics: 19q13.43

Gene Summary: Zinc finger proteins, such as ZNF272, interact with nucleic acids and have diverse functions. The zinc finger domain is a conserved amino acid sequence motif containing 2 specifically positioned cysteines and 2 histidines that are involved in coordinating zinc. Kruppel-related proteins form 1 family of zinc finger proteins. See ZFP93 (MIM 604749) for additional information on zinc finger proteins.[supplied by OMIM, May 2004]

Product images:



Circular map for RG211940