

Product datasheet for **RG233772**

ZNF444 (NM_001253792) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF444 (NM_001253792) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF444
Synonyms:	EZF-2; EZF2; ZSCAN17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233772 representing NM_001253792 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGTGGCGGTGCCCGTGAAGCAGGAGGCCGAGGGCCTGGCGCTGGACTCCCCGTGGCACCGCTTCC
GCCGCTTCCACCTGGGCGACGCGCCGGGCCCGGGAGGCGCTGGGGCTGCTCCGCGCCCTGTGCCGGGA
CTGGCTGCGGCCCCGAGGTGCACCAAGGAGCAGATGTTGGAGCTGCTGGTGTGGAACAGTTCTTGAGC
GCGCTGCCCGCCGACACGACGGCCTGGGTGTGACGCCGCGAGCCGAGAGCGGGAGGAGCGGTGGCCC
TGCTGGAGGAGCTCTGGGGGCCAGCAGCCTCCCCGATGGGTGCTCAGCAACGAGGTGCCTCAGGATGT
GACGCAGGGCCCTGGGGCCACAGGTGGAAGGAGGACAGTGGGATGATTCCCTTAGGCACCGCCCTGGG
GCTGAGGGGCGGCGCCTGGGGACTCCCAGGCTGTGCGCCCTACAAGCAGGAGCCAGCAGCCCCCGC
TGGCGCCTGGCCTGCCCGCCTTCTAGCGGCCCGGGCACCACGTCTGCCCCGAGTGCGGCAAAACGTC
CCTGAAACCAGCTCACCTGCTGCGCCACCGGACAGGCACTCGGGCGAGAAGCCGACGCTGCCCTGAG
TGCGGGAAGGCCCTTTCGGCGCAAGGAGCACCTGCGGCGCCACCGGACACGACCCCGGAGCCCCGGCA
GCCCCGGGCCCGCGCTGCGCCCTCTGCCCGCCGTGAGAAGCCCCACGCGTGTGCGAGTGTGGCAAGAC
CTTCTACTGGCGGAGCACCTGGTGCGCCACCGCAAGACGCACTCGGGAGCGCGGCCCTTTCCTGCTGG
GAGTGTGGCAAGGGCTTCGGGCGCCGCGAGCACGTGCTGCGCCACCAGCGCATCCACGGCCGGGACGCGG
CCAGCGCGCAGGGGCGGTAGCTCCGGGCCCGGATGGTGGAGGCCCTTCCCGCCCTGGCCCTTGGGT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

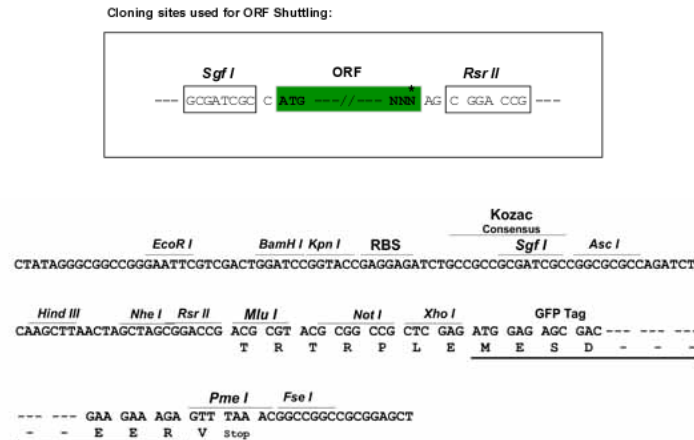
Protein Sequence: >RG233772 representing NM_001253792
 Red=Cloning site Green=Tags(s)

MEVAVPVKQEAEGALDSPWHRFRFHLGDAPGPREALGLLRALCRDWLRPEVHTKEQMLELLVLEQFLS
 ALPADTQAWVCSRQPQSGEAAVALLLEELWGPAASPDGSSATRPQDVTQGPATGGKEDSGMIPLGTAPG
 AEGPAPGDSQAVRPYKQEPSSPLAPGLPAFLAAPGTTSCPECCKTSLKPAHLLRHRQSHSGEKPHACPE
 CGKAFRRKEHLRRHRDTHPGSPGSPGALRPLPAREKPHACCECGKTFYWREHLVRHRKTHSGARPFACW
 ECGKGFGRREHVLRHQRIHGAAASQAQAVAPGPDGGGFPPWPLG

SGPTRRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001253792

ORF Size: 978 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_001253792.2](#)

RefSeq Size: 2061 bp

RefSeq ORF: 981 bp

Locus ID: 55311

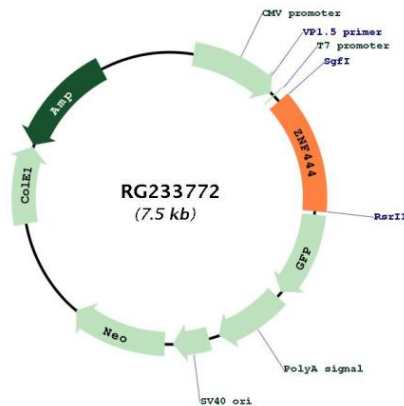
UniProt ID: [Q8N0Y2](#)

Cytogenetics: 19q13.43

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a zinc finger protein which activates transcription of a scavenger receptor gene involved in the degradation of acetylated low density lipoprotein (Ac-LDL) (PMID: 11978792). This gene is located in a cluster of zinc finger genes on chromosome 19 at q13.4. A pseudogene of this gene is located on chromosome 15. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG233772