

Product datasheet for **RG218927**

ZNF772 (NM_001024596) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF772
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218927 representing NM_001024596
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCGGGCGGTGAGCCGATGGGCCCGGCACAGGTTCCCATGAACTCAGAAGTAATTGTGGACCTATAC
AGGGGCAGGTGAACCTTTGAGGACGTGTTCTGTACTTCTCCAGGAGGAGTGGGTGCTCCTTGATGAGGC
TCAGAGGCTCCTGTACCGTGTGTGATGCTGGAGAAGTTTGCACTTATGGCCTCTCTGGGACATACATCT
TTCATGTCCACATAGTTGCCTCACTGGTGTGAGGTAGTGAGCCCTGGGTACCTGACTGGGTGGACATGA
CCCTAGCTGTTGCCACAGAGACTCCAGGTGGGAGTGACCTGGTGTGGCATGGAATGGAGGATGAAGA
GATACCTTTTGAGCAGAGCTTTTCTATAGGAATGTCACAGATCAGGATCCCAAGGGAGGCCCTTCTACT
CAGAAGGCTTACCCCTGTGGGACATGTGGCTGGTCTTAAAGACATTTTGCCTTGGCTGAGCACCAGG
AAACACACCCAGGGCAGAAACCATACATGTGTGTGCTGTGTGGAAACAGTTCTGCTTCAGTGCAAACCT
TCACCAGCACCAGAAGCAGCACAGTGGAGAGAAACCTTTAGAAGTGATAAGAGCAGGCCCTTCTTCTG
AACAAGTGTGCTGTGCAATCAATGGAGATGTCTTTGTGACAGGGGAGGCTTGAAGGACTTCCTAGCCA
GCTCAAGCATTTTGTAGCACCATGCCCTCACAATGAGTGGAAGCCACACAGCAACACCAAGTGTGAGGA
GGCCTCTCACTGTGAAAAAGGCATTACAATGCAGTGAATGTGGGAAACCTTCAGCCGCAAGACTCA
CTTGTTCAACACCAGAGAGTCCCACTGGAGAAAGGCCTTATGAGTGCGGTGAATGTGGGAAACCTTTA
GCCGCAAAACCCATACTTGCTCAGCACCAGAGAATCCCACTGGAGAAATGCCTTATGAGTGTGGCATATG
TGGGAAAGTTTTTAATCATAGCTCTAACCTTATTGTACATCAAGAGTACACACTGGAGCAAGGCCCTTAC
AAGTGCAGTGAATGTGGGAAAGCCTATAGTCACAAATCTACACTTGTTCAGCATGAGAGTATCCATACTG
GAGAAAGGCCATATGAGTGCAGCGAATGTGGAAATCTTTGGTCACAAATACAGACTCATTAAACATTG
GAGTGTTCATACTGGAGCAAGGCCTTATGAGTGCATCGCATGTGGGAAGTCTTTAGCCAAAGCTCTGAC
CTTATTGCACATCAAGAGTTCATAATGGTGAAAAGCCTTATGTGTGCAGTGAATGTGGAAAAGCCTTTA
GCCACAACATGTACTTGTTCAGCATCATAGAATTCACACTGGAGAAAGGCCATATAAGTGCAGTGAATG
TGGGAAGGCCTTCAGGCAGAGGGCTTCCCTCATCCGCCACTGGAAAATTCACACTGGAGAAAGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG218927 representing NM_001024596

Red=Cloning site Green=Tags(s)

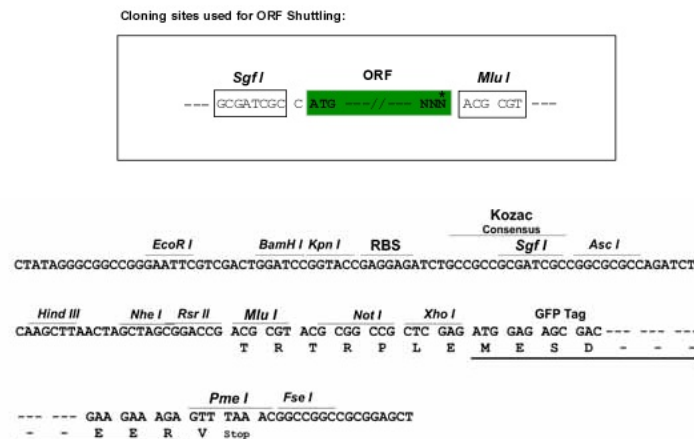
MAAAEPMGPAQVPMNSEIVDPIQQQVNFEDVFVYFSQEEWVLLDEAQRLLYRDVMLENFALMASLGHTS
FMSHIVASLVMGSEPWPDPWDMTLAVATETPGGSDPGCWHGMEDEEIPFEQSFSIGMSQIRIPKGGPST
QKAYPCGTCGLVLKDILHLAEHQETHPGQKPYMCVLCGKQFCF SANLHQHQKQHSGEKPFRRSDKSRPFL
NNCAVQSMEMSFVTGEACKDFLASSSIFEHHAPHNEWKPHSNTKCEEASHCGKRHYKCSECGKTF SRKDS
LVQHQRVHTGERPYECGECGKTF SRKPILA QHQRIHTGEMPYECGICGKVFNHSSNLIVHQRVHTGARPY
KCSECGKAYSHKSTLVQHESIHTGERPYECSECKYFGHKYRLIKHWSVHTGARPYECIACGKFFSQSSD
LIAHQRVHNGEKPYVCSECGKAF SHKHVLVQHHRHTGERPYKCSECGKAFRQRASLIRHWKIHTGERP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001024596

ORF Size:

1467 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_001024596.1](#), [NP_001019767.1](#)

RefSeq Size: 5420 bp

RefSeq ORF: 1470 bp

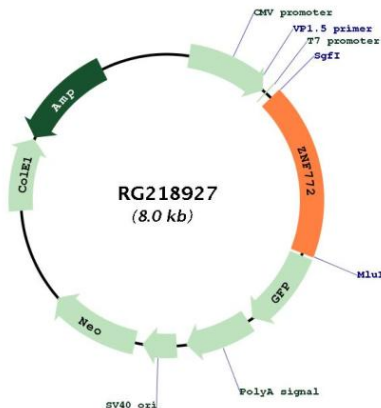
Locus ID: 400720

UniProt ID: [Q68DY9](#)

Cytogenetics: 19q13.43

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

Product images:



Circular map for RG218927