

Product datasheet for **RG200788**

ZNF622 (NM_033414) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF622
Synonyms:	ZPR9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG200788 representing NM_033414
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGCAGCTACACCTGCATAACTTGCCGGGTGGCGTTCGCGACGCGGACATGCAGCGGGCCACTATA
 AGACGGACTGGCACCCTACAACCTGCGCGGAAGGTGCCAGCATGGCCCCAGTGACCGCCGAGGGCTT
 CCAGGAGCGAGTGCGGGCGCAGCGGGCCGTGCGGAGGAGGAGAGCAAGGGCTCGGCCACCTACTGCACC
 GTTTCAGTAAGAAGTTTGCCTCTTTCAACGCCTACGAGAACCACCTCAAGTCCCGCGTCACGTTGAGC
 TGGAGAAGAAGGCCGTGCAGGCAGTGAATCGAAAGTGGAGATGATGAATGAAAAGAACTTGGAGAAAGG
 ACTGGGCGTGGACAGTGTGGACAAGGATGCCATGAACGCGGCCATCCAGCAGGCCATCAAGGCCACGCCG
 TCCATGTCTCCCAAGAAGGCGCCCCAGCGCCTGCAAAGGAGGCCAGGAATGTCGTGGCCGTGGGTACTG
 GTGGCCGTGGGACCCACGACCGAGACCCGAGTGAGAAACCACCCGGCTCCAGTGGTTTGAACAGCAGGC
 GAAGAAGTTGGCAAAGCAGCAGGAGGAGCAGCGAGGAGGAGGAAGAGGACCTGGATGGAGACGATTGG
 GAAGATATTGATTCTGATGAAGAATTGGAATGTGAGGATACTGAAGCAATGGACGATGTGGTGGAGCAGG
 ATGCAGAGGAGGAAGAGGCTGAGGAAGGCCACCCCTTGGTGCCATCCCTATCAGGACTGCTTATTTTG
 TTCCCATCATTCCAGCTCGCTGATGAAGAATGTGGCTCACATGACCAAAGACCACAGTTTCTTTATTCTT
 GATATAGAATATCTTTCAGATATTAAGGGACTGATTAATACTTGGGAGAGAAAGTTGGTGTGGCAAGA
 TTTGCTTGTGGTGCAACGAGAAAGGGAAGTCCTTCTACTCCACAGAAGCTGTACAGGCACATATGAATGA
 CAAAAGCCACTGTAAGCTCTTTCAGATGGCGATGCTGCTTTGGAATTTGCAGACTTCTATGATTTTAGG
 AGTAGCTATCCAGATCACAAGGAAGGGGAGGCCCAATAAGGCTGAGGAGTTGCCCTCAGAAAAGAACT
 TGGAATATGATGATGAACCATGGAATTGATTCTGCCTTCTGGTGCCAGAGTGGGTGATCGCTCCTTGAT
 GAGATACTACAAACAGCGATTGGCTTGTCAAGAGCTGTGGCAGTTGCCAAAAATCGGAAGGCCGTGGGC
 CGAGTACTTCAGCAGTACAGAGCCCTGGGATGGACTGGCAGCACAGGAGCGGCTCTTATGCGAGAGCGAG
 ACATGCAGTATGTCCAAGGATGAATCAAAATGGATGCTGAAGACAGGAATGAAGAACAATGCCACCAA
 GCAGATGCACTTTCGGGTCCAAGTGAGATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200788 representing NM_033414
 Red=Cloning site Green=Tags(s)

MATYTCITCRVAFRDADMQRHYKTDWHRYNLRKVASMAPVTAEGFQERVRAQRAVEEESKGSATYCT
 VCSKKFASFNAYENHLKSRRHVELEKKAVQAVNRKVEMMNEKNLEKGLGVDSVDKDAMNAAIQQAIAQP
 SMSPKKAPPAPAKEARNVVAVGTGGRGTHDRDPSEKPPRLQWFEQQAKKLAKQQEEDSEEEEDLDGDDW
 EDIDSDEELEDCEDEAMDDVVEQDAEEEEAEGLPLGAIPITDCLFCSHSSSLMKNVAHMTKDHFFIP
 DIEYLSDIKGLIKYLGEKVGKICLWCNEKGKSFYSTAVQAHMNDKSHCKLFTDGDAALEFADFVDFR
 SSYPDHKEGEDPNKAEELPSEKNLEYDDETMELILPSGARVGHRSMLMRYKQRFGLSRAVAVAKNRKAVG
 RVLQYRALGWTGSTGAALMRERDMQYVQRMKSKWMLKTMKNNATKQMHFRVQVRF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033414

ORF Size: 1431 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:

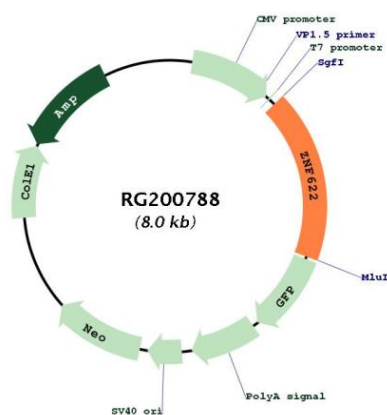
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_033414.3](#)

RefSeq Size:	1710 bp
RefSeq ORF:	1434 bp
Locus ID:	90441
UniProt ID:	Q969S3
Cytogenetics:	5p15.1
Domains:	ZnF_U1, zf-C2H2
Gene Summary:	May behave as an activator of the bound transcription factor, MYBL2, and be involved in embryonic development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200788