

Product datasheet for **RG224698**

ZNF336 (GZF1) (NM_022482) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF336 (GZF1) (NM_022482) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF336
Synonyms:	JLSM; ZBTB23; ZNF336
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG224698 representing NM_022482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCGGTGCAGTTCTGCTGGAATCCAAATCCTCCCCATTTAACCTACTGCATGAGATGCATGAGC
 TTCGCCTCCTGGGTACCTGTGTGACGTGACAGTCAGCGTGGAGTATCAGGGTGTCCGCAAAGACTTCAT
 GGCCACAAAGGCAGTGTGGCTGCCACCAAGCAAGTTTTTAAGGAAGTGTTCCTTAATGAGAAGAGTGTG
 GATGGTACTAGGACTAATGTCTACTTAAATGAAGTGCAGGTTGCTGACTTTGCTTCATTTCTTGAGTTTG
 TCTACACTGCAAAGGTACAGGTGGAAGAAGATCGGGTGCAGCGAATGCTGGAAGTGGCTGAAAAGCTGAA
 ATGTTTGGATTTATCAGAACTTGTTCATTAAGAAACAGATGTTAGAGTCAGTACTTTTGAGTTTG
 CAAAATTTCTCAGAGTCTCAGGAGTGGAGGTGAGCAGTGGCTCCCAAGTTAGTGTCTCTGCCCCCA
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 GGTTGCCAGGCAGGTGCTGAGTTGGAGGAATTGTCAAAGAAAGCAGGGCCGGAGGAGGAAGAGGAGGAGG
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 TCATCCAAGCTTTCGGATAAATTGCTGTCTTTGCAGAAAATGGCCATTTCCACAACCTGGCTGCAGTCC
 AAGACACTGTACCTACCATGCAGGAGAACAGTTCTGCTGACACAGCCTGCAAGGCAGATGACTCCGTGGT
 GTCCCAGGACACCCTCTGGCCACCACCATCAGTGAGCTTAGCGAGCTGACCCACAGACAGACTCGATG
 CCCACACAGCTTCACTCTTTGAGCAACATGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

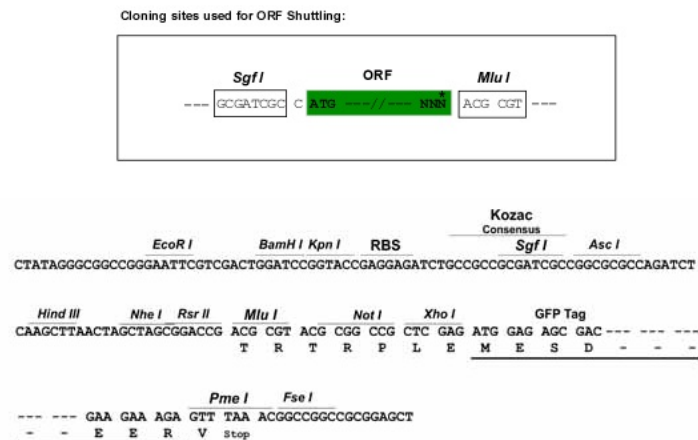
Protein Sequence: >RG224698 representing NM_022482
 Red=Cloning site Green=Tags(s)

MESGAVLLESKSSPFNLLHEMHELRLGLHLC DVTVSVEYQGVKDFMAHKAVLAATSKFFKEVFLNEKSV
 DGTRTNVYLNEVQVADFASFLEFVYTA KVQVEEDRVQRMLEVAEKLKCLDLSETCFQLKKQMLESVLLEL
 QNFSSESQEVVSSGSQVSAAPAPRASVATD GPHPSGLTDSLDPGERASNGMSSDLPKKSKDKLDKKKE
 VVKPPYPKIRRASGRLAGRKVFVEIPKKKYTRRLREQQKTAEGDVGDYRCPQDQSPDRVGTETEMEQVSKNE
 GCQAGAELEELSKKAGPEEEEEEEDEEGEKKKSNFKCSICEKAFLYEKSF LKHSKHRHGVATEVVYRC
 DTCGQTFANRNLKSHQRHVHSSERHFPCEL CGKKFKRKKDVKRHVLQVHEGGERHRCGQCGLSSKT
 ALRLHERHTHTGDRPYGCTECGARFSQPSALKTHMRIHTGEKPFVCECGARFTQNHMLIYHKRCHTGERP
 FMCETCGKSFASKEYLKHHNRIHTGSKPFKCEVCFRTFAQRNSLYQHIKVHTGERPYCCDQCGKQFTQLN
 ALQRHRIHTGERPFMCNACGRFTFDKSTLRRHTSIHDKNTPWKSFLVIVDGSPKNDDGHKTEQPDEEYV
 SSKLSDKLLSFAENGHFHNLAAVQDTVPTMQENSSADTACKADDSVVSQDTLLATTISELSELTPQTDSM
 PTQLHLSLNME

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022482

ORF Size: 2133 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_022482.5](#)

RefSeq Size: 4752 bp

RefSeq ORF: 2136 bp

Locus ID: 64412

UniProt ID: [Q9H116](#)

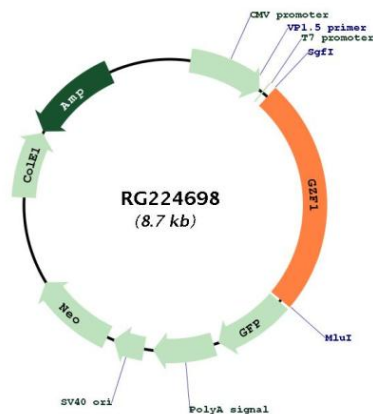
Cytogenetics: 20p11.21

Domains: BTB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: Transcriptional repressor that binds the GZF1 responsive element (GRE) (consensus: 5'-TGCGCN[TG][CA]TATA-3'). May be regulating VSX2/HOX10 expression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224698