

Product datasheet for **RG212004**

ZNF704 (NM_001033723) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF704
Synonyms:	Gig1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG212004 representing NM_001033723
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTTCACATTTTCAGTCAGAGGACTTAAAACGTGACTGTGGTAAAAAATGTCTCATCAACACGTGT
TTTCCTTGGCCATGGAGGAAGATGTGAAAAACAGCAGACACCAAAAAAGCCAGCCGGATCCTTGACCATGA
AAAAGAAAACACTCGCTCCATCTGTCTCCTTGAGCAAAAAAGAAAGTTGTTTCTCCAACATTGATGTT
CCTCCAGCAAGGAAATCTTCAAGGAAGTAGACATGGACAAGGTGACAGCAGCAATGGTACTAACCAGCT
TGTCGACTAGCCCTTTGGTTTCAAGTCTCCCGTGCGGCCGAACGAGAGCCTCAGCGGATCCTGGAAGGA
GGGCGGCTGCGTGCCTTCCAGCACCAGCAGCAGCGGCTACTGGAGCTGGAGCGCCCCAGCGACCAAGTCC
AACCCGTCACGCGCTGCGCGCGCTCTCGGCTGACAGCTTCAAGCCCTTCCGAGCCCCGCGCAGCCAG
ACGACGGCATCGACGAGCGGAGGCCAGCAACCTGCTCTTCGACGAGCCATTCCAGGAAAAGAAAGAA
TTCCATGAAGGTGATGTTCAAATGCCTCTGAAAAAAGTGGGAAGGTGCTGAGCACTGCAGCAGGTATC
CAGAAACACATCCGAACCATCCATCTGGGCGCGTTGGAGACTCTGACTACAGTGATGGAGAAGAGGACT
TTTACTACACTGAGATCAAGCTCAACACAGACTCAGTGGCAGACGGGCTGAGCAGCCTGGCCCCGGTCTC
ACCTTCCAGTCCCTGGCTTCACTTCTTCCCATCCAGATTCAAGCCGAACAGAACTCCTTGT
GCCAAACGGAGACTAAGTTGATGACGCCGTTGAGCCGCTCAGTCCACCACCCTCTACCTCGTGACA
CTGACCATGCTTACCAGGCCACACCCCTGTGACCATTCAGGATCGGCCAAGTTCACCCCCAATGGCAG
CAGCTTCAGCATTTCTGGCAATCTCTCCGGTCACTTTCAGGACATCCAGTGTCAACCCACACATCAT
CCGGTGGGCACAGGAGCAGAGACAGCATGCGCACACGGTCTGTCTCCCAACCCAGAGGCACAGTCA
GCTTAAGGAAGCCAGGGGAGAGGGCAAAAGTGTGGAAGGTGTACGGGATGGAGAACCGAGACATGTG
GTGTACCGCTGCCGCTGGAAGAAGGCCTGCCAGAGGTTCTCTCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



Protein Sequence: >RG212004 representing NM_001033723
Red=Cloning site Green=Tags(s)

MTFTFQSEDLKRDCGKKMSHQHVFSAMEEDVKTDATKKASRILDHEKENTRSICLLEQKRKVSSNIDV
PPARKSSEELDMDKVTAAMVLTSLSTSPVLRSPVVRPNESLSGSKWEGGCVPSSTSSSGYWSWSPSDQS
NPSTSPPLSADSFKFRSPAQDDGIDEAEASNLDFDEIPRKRKNSMKVMFKCLWKNCGKVLSTAAGI
QKHIRTIIHLGRVGDSDYSDGEEDFYITEIKLNTDSVADGLSSLAPVSPSQSLASPPTFPIPDSSRTETPC
AKTETKLMTPLSRSAPTTLYLVHTDHAYQATPPVTIPGSAKFTPNGSSFISWQSPPVFTFTGIPVSPTHH
PVGTEQRQHAHTVLSSPPRGTVSLRKPRGEGKKCRKVGMEGRDMWCTACRWWKACQRFLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033723

ORF Size: 1236 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_001033723.3](#)

RefSeq Size: 4303 bp

RefSeq ORF: 1239 bp

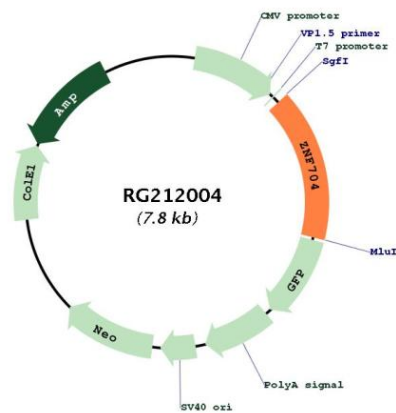
Locus ID: 619279

UniProt ID: [Q6ZNC4](#)

Cytogenetics: 8q21.13

Gene Summary: Transcription factor which binds to RE2 sequence elements in the MYOD1 enhancer. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212004