

Product datasheet for **MG215970**

Zfp746 (NM_001163475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp746
Synonyms:	2810407L07Rik; AI317225; Znf746
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG215970 representing NM_001163475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGAGGGCGCCGGCTCCGATTTCTCCATGGACAATGGCAGCTACAATTCAGGCTATGGAGAGGA
 AGATTGAATCACAGGCTGCTCGACTGCTTTCTCTAGAAGGTGCGAAGTGGGATGGCAGAGAAGAAGCTGGC
 TGACTGTGAGAAGACAGCTGTGGAGTTTCAGCAACCAGCTGGAGGGCAAGTGGGCGGTCTGGAAACCTG
 CTGCAGGAATATGGGCTGCTGCAGCGGGCGCTGGAAAAATGTGGAGAATCTGCTACGCAACCGGAACCTTCT
 GGATTTCTCGGCTTCCCCAGGCAGCAAGGGCGAGGTCCCCAAGGAGTGGGCAAGCTGGAGGACTGGCA
 GAAGGAGCTCTACAAGCATGTGATGAGGGGCAACTACGAGACACTGGTCTCCCTGGACTATGCCATCTCC
 AAACCTGAGGTCCTCTCCAGATTGAACAAGGCAAGGAGCCATGCACCTGGCGTCGCACTGGGCCAAGG
 TCCCGGAGGTTCTGTGGACCAAGTCCAGGCTCTGGAGCACCAGTTCTGCCCTGACCTCTGATGCA
 AATCAAGCAAGAGGGGAGCTGCAGCTGCAGGAGCAGCAGGCTCTGGGTGTGGAAGCCTGGCAGCTGGA
 CAGCCAGATATTGGGGAAGAGCCGTGGGGCTCAGCCAGTTGGACTCTGGAGCAGGAGACATCTCCACAG
 ATGCTACCTCTGGTGTCCATTTCAACCACTTTCAACCACCATCCACCACCTTCTGGCAAGCAGATCTCCC
 TCCCCACCACCCCTTTCAGCATGCTCAGATGGGACTGAAGCTCAACACAGCAGCATCCACAGAAGCA
 GATGTAAAAATTGTTATCAAAACAGAAGTCCAGGAAGAGGAGTGGTGGCCACACCTGTTTATCCACGG
 ACCTGGAGGCTCATGGGACTTTGTTTGCACCAGGCCAAGCCACAAGATTCTCCCTAGCCCTGTCCAGGA
 AGGAGCCTGGGAAAGTCAAGGCAGTTCTTCCCGAGCCAGGACCCAGTGTAGGCTGCGGGAGCCCACT
 CGGCCAGAGAGGACATTGGTGTGAGCTCAGTCTGCCATAGCACAGGAGGAGGCTCTGCCGGGATTGGC
 TCTTTGGCGGAGTCAAGTGGGCTGGAATTTCCGGTGTAAACCTCCAGTGGGCTGAACCCGAGGACGGT
 GCCCGAGGGGCTCCCTTCTCATCTCCAGACAACGGAGAGGCCATCTTGACCCAGCCAGGCCCAAGA
 CCCTTCAATGATCCCTGCAAAATACCCTGGCCGGACAAAAGGCTTCGGCCACAAACCGGGGCTGAAGAAGC
 ACCCGCGGCCACCCCGGAGGCCGCCCTTCACTGTGCCACCTGCGGAAAGAGCTTCCAGCTGCAGGT
 GAGCTGTAGTGCCACACGCGCAGCTGCGGACTGTCCGATGGGCGGCCACGGGGCAGCTTCCACCCT
 ACTGGAGGCGGAGGTGGTGGCAGCGCGGAGGAGGAGGAGCAGCAGCGGAGGTGGGAGCAGTGCACGGGACA
 GCAGCGCTCTGAGGTGTGGGAGTGTGGTGTGCTTTCACACGCCCTGCACACCTCATCCGCCACCCGAT
 GCTACACACTGGTGTGAGAGGCCCTTCCCTGCACCGAGTGCAGAGAAGCGCTTTCACAGAGCGTTCCAAGCTC
 ATCGACCCTACCGAACGCACACGGCGTGGCCATTACCTGCACAGTGTGTGGGAAGAGCTTATCC
 GCAAGGACCACCTCCGCAAGCACCAGCGCAACCACCTGCAGTGGCCAAGGCGCCCGCACACGGTCAAGC
 ACTCCACCACTGCCGGCTCTCCCGACCTTTCAAGAGCCCCGACGCAAAAGGACCCATGGCCTCCACA
 GACCTGTGACTGACTGGACTGTGGCCTAAGTGTCTGGGACCCAGTGTGGTGGTGGAGACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215970 representing NM_001163475
 Red=Cloning site Green=Tags(s)

MAEAAAAPISPWMAATIQAAMERKIESQAARLLSLEGRMGMAEKKLADCEKTAVEFSNQLEGGKWLGLTL
 LQEYGLLQRRLENVENLLRNRNFWILRLPPGSKGEVPEWGLKLEWQKELYKHVMRGNLYETLVSLDYAIS
 KPEVLSQIEQGKEPCTWRRTGPKVPEVPVDPSPGSGAPVVPAPDLLMQIKQEGELQLQEQQALGVEAWAAG
 QPDIQEPPWGLSQLDSGAGDISTDATSGVHSNFSTTIPPTSWQADLPPHPSSACSDGTLKLNNTAASTE
 DVKIVIKTEVQEEVVATPVHPTDLEAHGTLFAPGQATRFPPSPVQEGAWESQGSFSPSQDPVGLREPT
 RPERDIGELSPAIAQEEAPAGDWLFGVVRWGNFRCKPPVGLNRPRTVPEGLPFSSPDNGEAILDPSQAPR
 PFNDPKYVGRTKFGHKGPKLKHHPAAPPGRPFATCGKSFQLQVLSAHQRSCGLSDGAATGAASTT
 TGGGGGGGGGGSSGGSSARDSSALRCGECGRCFTRPAHLIRHRMLHTGERPFPCTECEKRFTERS
 IDHYRTHTGVRPFTCTVCGKSFIRKDHLRKHQRNHPAVAKAPAHGQPLPPLPAPPDPFKSPAAGPMAST
 DLVTDWTCGLSVLGPSSDGGDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001163475

ORF Size: 1956 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_001163475.1](#), [NP_001156947.1](#)

RefSeq Size: 3651 bp

RefSeq ORF: 1959 bp

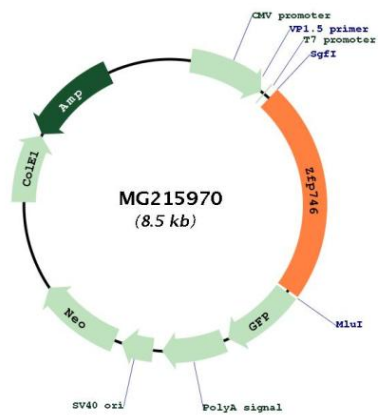
Locus ID: 69228

UniProt ID: [Q3UI33](#)

Cytogenetics: 6 B2.3

Gene Summary: Transcription repressor that specifically binds to the 5'-TATTTT[T/G]-3' consensus sequence on promoters and repress transcription of PGC-1-alpha (PPARGC1A), thereby playing a role in regulation of neuron death.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215970