

Product datasheet for **MG208051**

Zscan12 (NM_016684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zscan12 (NM_016684) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zscan12
Synonyms:	2510038J07Rik; FPM315; mKIAA0426; zfp-96; Zfp96
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208051 representing NM_016684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCTACTAGTGATACCAAGTCTGTAAGAACCAGGCTGGACTTTTGGAAATAAAAATGGAGGAAG
 AATGTAAGTATACCAACCAGACAAGATAGGAACCTACAAAAGAACACTTATAACAGAGACGTCTCCGAAA
 ATACTTCAGACAGTTTTGCTACCAGGAACTTCTGGACCCCGGGAGGCTCTGAGCCGGCTGCGCGAGCTC
 TGCAGACAGTGGCTGCGGCCGACTTGAACAGCAAGGAGCAGATCCTGGAGCTGCTGGTCTGGAGCAGT
 TCCTGACCATCCTGCCAGGGGAGCTGCAGGCCTGGGTGCAGGAGCAGAATCCGGAGAGTGTGGAGGAGGT
 GGTGACTGTGCTGGAGGATTTAGAGAGAGAGCTTGATGAAGTACGATACCGGGCCTCAGTCCAACTGAA
 GAACAGGTAACGTTTCAGGAGGTGAAGCCTTTGGCAACAGAGCAGAAACCCAGCGTGTCCCTTCAGTTTG
 TCAAAGCCAAGCCTGGGTGTGAAGTTCAGGCGCTGAAGCCCAGGAGGAGCAAGTTTCAGGTGTTGAGAC
 TGGCAATGAGCCAGGAATGTCCTCTAAAGCAAGGCCTCTGGGAAGGGACGGAAGCAGAACAGAATCCT
 GCTAGCAGATTAGCAAAGGATGCACTTGAGTGTGAAGAAGCTCACAAACCTGGAGAAGAGTCTTCTGGTA
 TTTCCCATGAAGACAGCCAGCCTCTGCGTAATGAAATGGTGTAAATTCTCTGCGAACTCAGAGTACGC
 TAAACACCAGAGCATCTGTCCAGGGAGAAAAGTGCATGGGTGTGATGAGTGTGGAAGAGTTTTACTCAG
 CACTCGCGCCTCATAGAGCACAAGAGAGTCCACACTGGAGACAGGCCCTACAAATGTGAAGTATGTGGGA
 AAATTTCCGATGGAGGACTGTTCTTATTCGACACAAGGTGGTCCACACTGGAGAGAAACCGTATAAATG
 TAATGAATGTGGCAGGGCTTTTGCCAGTGGTCAGCACTTAACCAACATCAGAGACTTCACTCGGGAGAA
 AAGCACTACCACTGTAAAGATGTGGCAAGCCTTTTGCCAGAAAGCAGGCCTCTTTCACCATCTCAAGA
 GCCATAGAAGAAACAGACCTTATCAATGTCTTCAGTGTAAATAAAGTTTTAATCGCGCTTCTACACTTTC
 TCAGCATCAAGGAGTTTCACTGGAGCAAAACCTACGAATGCAACGATTGTGGGAAAGCTTTTGTGTTAT
 AACTCATCTCTTGTACCATCAGGAAACCCATCACAAGGAGAAACCTTCACTCAAAGTGGTCTTATTC
 AGCAGCAGAGGAACACCAAGGAGAAAGCCCTACAAATGCAGTGTATGTGGAAGCATTTATTCAAAA
 AATAAGTCTTATAGAACACGAACAAATTCATACCGGAGAGAGACCGTATAAATGTGCTGAGGGCGGGAAG
 GCCTTTATTAGATGTCAGAACTCACAGAACAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

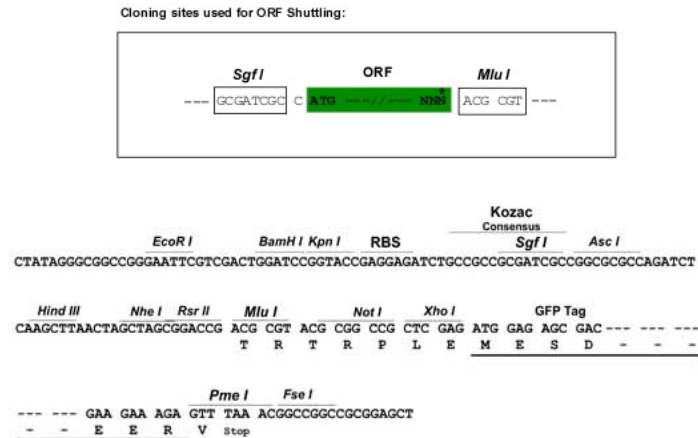
>MG208051 representing NM_016684
 Red=Cloning site Green=Tags(s)

MTSTSDTKVCKNQGGLEIKMEECKYTTQRDLNQNTYNRDVFRKYFRQFCYQETSGPREALSRLREL
 CRQWLRPDLNSKEQILELLVLEQFLTILPGELQAWVQEONPESVEEVVTVLEDLERELDELGYRASVQTE
 EQVTFQEVKPLATEQKPSVSLQFVKAKPGCELAGREAQEEQVSGVETGNEPRNVTLKQGLWEGTEAEQNP
 ASRLAKDALECEEAHNPGEESGISHEDSQPLRNENGVNSPANSEYAKHQSIQGRKVHGCDECGKSFTQ
 HSRLIEHKRVHTGDRPYKCEVCGKTFRWRTVLIRHKVVHTGEKPYKCNECGRAFGQWSALNQHLHSGE
 KHYHCNECGKAFQKAGLFHHLKSHRRNRPYQCLQCNKSFNRRSTLSQHQQVHTGAKPYECNDCGKAFVY
 NSSLATHQETHHKEKPTQSGPIQQQRNHTKEKPYKCSVCGKAFIQKISLIEHEQIHTGERPYKCAEGGK
 AFIQMSELTEH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016684

ORF Size: 1503 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_016684.2](#), [NP_057893.2](#)

RefSeq Size: 4435 bp

RefSeq ORF: 1506 bp

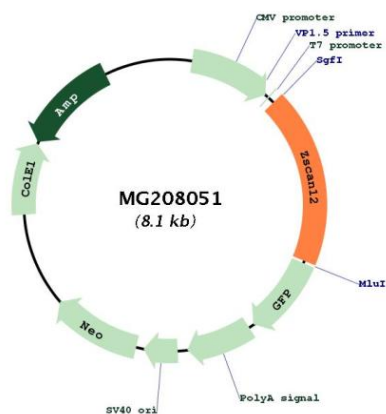
Locus ID: 22758

UniProt ID: [Q9Z1D7](#)

Cytogenetics: 13 A3.1

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

Product images:



Circular map for MG208051