

Product datasheet for **MG206048**

Tsc22d4 (NM_023910) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc22d4 (NM_023910) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tsc22d4
Synonyms:	0610009M14Rik; 1700023B23Rik; AI415410; Thg-1 pit; Tilz2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206048 representing NM_023910 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGTGGTAAGAAGAAAAGTAGTTTTAGATCACCAGCGTCACCACGGACTATGAGGGCCAGGAA
GCCCAGGGGCTTCGATTCCCCTGTCCACCGGCTCTCGCTGGGCCCCGCCCGCTCCCAATGGGGA
CCCCAACCTGATCCAGGGGGCAGGGGCACCCCCGGAATGGCTCTCCGCCACCTGGAGCCCTGCCTCC
CGTTTCCGGTGGTGAAGCTGCCCAAGGTTTGGGAGAGCCTTATCGTCGAGGTCCGTGGACGTGTGTGG
ATGTTTACGAGAGAGATCTGGAGCCTCCAAGCTTCGGTCGGCTTCTGGAGGGCATTTCGAGGGCCTCTGG
AGGCACCGGAGGCAGATCATTGGATTCTAGGTTGGAGCTGGCTAGTTTGGGCATAAGCACCCCTATCCCG
CAGCCAGGCCTGTCTCAGGGCCCCACCTCTTGGCTCCGCCCGCCCCCTACTTCTCCTGGACCACAGGCC
GCTCCTTCACAGGGGGGCTGGGCCAGCTGGCAGGACCTGGCAAGGCTAAGGTGGAGACACCCCCGCTGTC
AGCATCTCCACCCAGCAGCGCCCCCAGGGCCTGGGACTGGAGATAGTGCTCAGACCCTGCCCTCTCTG
AGGGTAGAAGTGGAGTCTGGGGTTTCAGCAGCCGCAACCCCTCCACTGTCACGGAGAAGAGATGGAGCAG
TTCGGCTGAGGATGGAGTTAGTTGCTCCAGCGGAGACAGGAAAGGTACCTCCACCGACTCTCGCCCCAA
CTCCCCAGCCCTCTACTTCGATGCCAGCCTGGTCCATAAGTCTCCAGACCCATTTGGAGCCGCAGCAGCC
CAGAGCCTCAGCCTGGCCGTTCCATGTTGGCTATCAGCGGTACCTGGACAGCGATGACGATAGTGGTT
CCGGAAGCCTGGTTGGCATTGACAACAAGATTGAACAAGCCATGGACTTGGTGAAGTCCCACCTCATGTT
TGCCGTGCGAGAAGGTGGAGGTGCTGAAGGAGCAGATCCGAGACCTGGCAGAGCGGAACGCTGCATTG
GAGCAGGAGAATGGATTGCTGCGCGCCCTGGCCAGCCGAGCAGCTGGCCAGCTGCCATCCTCGGGGC
TCCCCAGGCTCGGGCCCTCTGCACCCAATGGGCCCTCCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206048 representing NM_023910
 Red=Cloning site Green=Tags(s)

MSGGKKKSSFQITSVTDDYEGPGSPGASDSPVPPALAGPPRLPNGDPNPDGGRGTPRNGSPPPGAPAS
 RFRVVKLPQGLGEPYRRGRWTCVDVYERDLEPPSFGRLLLEGIRGASGGTGGRSLDSRLELASLGISTPIIP
 QPGLSQGPTSWLRPPPTSPGPQARSFTGGLGQLAGPGKAKVETPPLSASPPQQRPPGPGTGDSAQTLPSL
 RVEVESGGSAATPPLSRRRDGAVRLMELVAPAETGKVPPTDSRPNSPALYFDASLVHKSPDPFGAAAA
 QLSLSLARMLAISGHLDSDDDSGSGSLVGIDNKIEQAMDLVKSHLMFAVREEVEVLKEQIRDLAERNAAL
 EQENGLLRALASPEQLAQLPSSGLPRLGPSAPNGPSI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_023910

ORF Size: 1161 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_023910.6](#)

RefSeq Size: 2333 bp

RefSeq ORF: 1164 bp

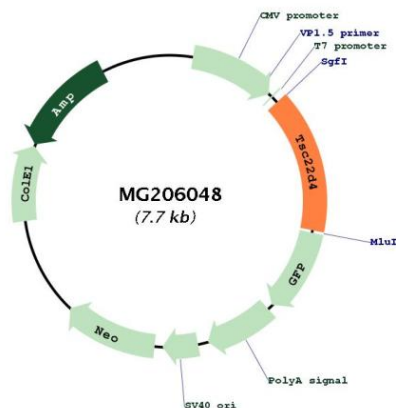
Locus ID: 78829

UniProt ID: [Q9EQN3](#)

Cytogenetics: 5 G2

Gene Summary: Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206048