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Product datasheet for MR206048

Tsc22d4 (NM_023910) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc22d4 (NM_023910) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsc22d4
Synonyms:	0610009M14Rik; 1700023B23Rik; AI415410; Thg-1pit; Tilz2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR206048 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGTGGTAAGAAGAAAAGTAGTTTTCAGATCACCAGCGTCACCACGGACTATGAGGGCCCAGGAA
GCCCAGGGGCTTCGGATTCCCCTGTCCCACCGGCTCTCGCTGGGCCCCCGCCCCGCCTCCCCAATGGGGA
CCCCAACCCTGATCCAGGGGGCAGGGGCACCCCCCGGAATGGCTCTCCGCCACCTGGAGCCCCTGCCTCC
CGTTTCCGGGTGGTGAAGCTGCCCCAAGGTTTGGGAGAGCCTTATCGTCGAGGTCGGTGGACGTGTGTGG
ATGTTTACGAGAGAGATCTGGAGCCTCCAAGCTTCGGTCGGCTTCTGGAGGGCATTCGAGGGGCCTCTGG
AGGCACCGGAGGCAGATCATTGGATTCTAGGTTGGAGCTGGCTAGTTTGGGCATAAGCACCCCTATCCCG
CAGCCAGGCCTGTCTCAGGGCCCCACCTCTTGGCTCCGCCCGCCCCCTACTTCTCCTGGACCACAGGCCC
GCTCCTTCACAGGGGGGCTGGGCCAGCTGGCAGGACCTGGCAAGGCTAAGGTGGAGACACCCCCGCTGTC
AGCATCTCCACCCCAGCAGCGCCCCCCAGGGCCTGGGACTGGAGATAGTGCTCAGACCCTGCCCTCTCTG
AGGGTAGAAGTGGAGTCTGGGGGTTCAGCAGCCGCAACCCCTCCACTGTCACGGAGAAGAGATGGAGCAG
TTCGGCTGAGGATGGAGTTAGTTGCTCCAGCGGAGACAGGAAAGGTACCTCCCACCGACTCTCGCCCCAA
CTCCCCAGCCCTCTACTTCGATGCCAGCCTGGTCCATAAGTCTCCAGACCCATTTGGAGCCGCAGCAGCC
CAGAGCCTCAGCCTGGCCCGTTCCATGTTGGCTATCAGCGGTCACCTGGACAGCGATGACGATAGTGGTT
CCGGAAGCCTGGTTGGCATTGACAACAAGATTGAACAAGCCATGGACTTGGTGAAGTCCCACCTCATGTT
TGCCGTGCGAGAAGAGGTGGAGGTGCTGAAGGAGCAGATCCGAGACCTGGCAGAGCGGAACGCTGCATTG
GAGCAGGAGAATGGATTGCTGCGCGCCCTGGCCAGCCCGGAGCAGCTGGCCCAGCTGCCATCCTCGGGGC
TCCCCAGGCTCGGGCCCTCTGCACCCAATGGGCCCTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

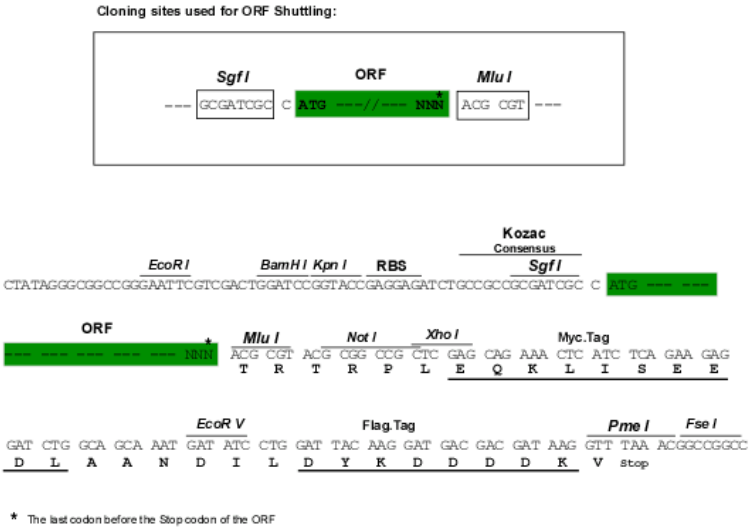
>MR206048 protein sequence
Red=Cloning site Green=Tags(s)

MSGGKKKSSFQITSVTTDYEGPGSPGASDSPVPPALAGPPPRLPNGDPNPDPGGRGTPRNGSPPPGAPAS
RFRVVKLPQGLGEPYRRGRWTCVDVYERDLEPPSFGRLLEGIRGASGGTGGRSLDSRLELASLGISTPIP
QPGLSQGPTSWLRPPPTSPGPQARSFTGGLGQLAGPGKAKVETPPLSASPPQQRPPGPGTGDSAQTLPSL
RVEVESGGSAAATPPLSRRRDGAVRLRMELVAPAETGKVPPTDSRPNSPALYFDASLVHKSPDPFGAAAA
QSLSLARSMLAISGHLDSDDDSGSGSLVGIDNKIEQAMDLVKSHLMFAVREEVEVLKEQIRDLAERNAAL
EQENGLLRALASPEQLAQLPSSGLPRLGPSAPNGPSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023910

ORF Size: 1161 bp

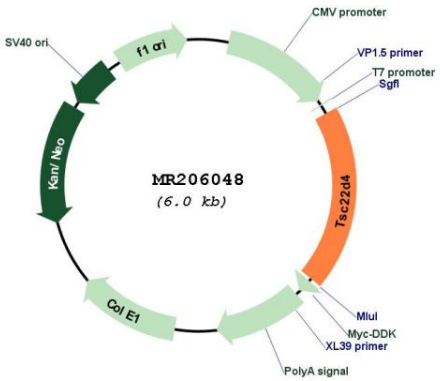
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	2349 bp
RefSeq ORF:	1164 bp
Locus ID:	78829
UniProt ID:	Q9EQN3
Cytogenetics:	5 G2
MW:	40 kDa
Gene Summary:	Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206048