

Product datasheet for **RR203767**

Tsc22d4 (NM_001044284) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc22d4 (NM_001044284) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsc22d4
Synonyms:	thg-1pit; Tilz2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR203767 representing NM_001044284 Red =Cloning site Blue =ORF Green =Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGTGGTGGTAAGAAGAAAAGTAGTTTTAGATCACCAGCGTCACCACGGACTATGAGGGCCAGGAA
 GCCCAGGGGCTTCGACCCCCCTGCCCTCCGGCTCCCGCTGGGCCCCGCCCGCTCCCCAACGGGA
 ACCCAACCCTGATCCAGGGGGCAGGGGCACCCCCGGAATGGCTCTCCGCCACCTGGAGCCCTGCCTCC
 CGTTTCCGGTGGTGAAGCTGCCCAAGGTTTAGGAGAGCCTTATCGACGAGGTCGGTGGACGTGTGTGG
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 AGGCACCGGAGGCAGATCATTGGATTCTAGGTTGGAGCTGGCTAGCTTGGGCATAAGCACCCCTATCCCT
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 GATCCTTCACAGGGGGGCTGGGCCAGCTGGCAGGACCTGGCAAGGCTAAGGTGGAGACGCCCCCGCTGTC
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 CAGAGCCTCAGCCTGGCTCGGTCCATGTTGGCCATCAGCGGTACCTGGACAGTGATGACGACAGTGGTT
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 TCCAAGGCTCGGGCCCTCTGCACCCAATGGGCCCTCCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR203767 representing NM_001044284
 Red=Cloning site Green=Tags(s)

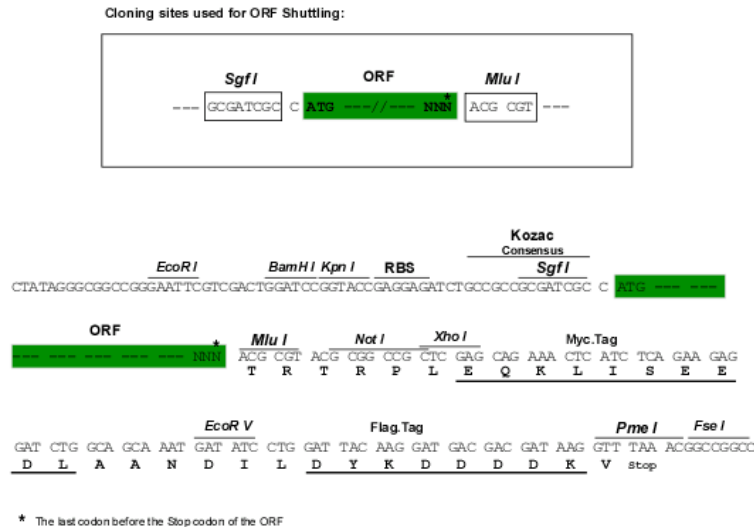
MSGGKKKSSFQITSVTDDYEGPGSPGASDPPAPPAPAGPPRLPNGEPNPDPGGRGTPRNGSPPPGAPAS
 RFRVVKLPQGLGEPYRRGRWTCVDVYERDLEPPSFGRLLLEGIRGASGGTGGRSLDSRLELASLGISTPIIP
 QPGLSQGPTSWLRPPPTSPGPQARSFTGGLGQLAGPGKAKVETPPLSASPPQQRPPGPGTGDSAQTLPSL
 RVEVESGGLAAGTPPLSRRRDGAVRLRMELVAPEETGKVPPIDSRPNSPALYFDASLVHKSPDPFGAAAA
 QSLSLARSMIAISGHLDSDDDSGSGSLVGIDNKIEQAMDLVKSHLMFAVREEVEVLKEQIRDLAERNAAL
 EQENGLLRALASPEQLAQLPSSGLPRLGPSAPNGPSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001044284

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.

RefSeq: [NM_001044284.3](#), [NP_001037749.1](#)

RefSeq Size: 2399 bp

RefSeq ORF: 1164 bp

Locus ID: 684980

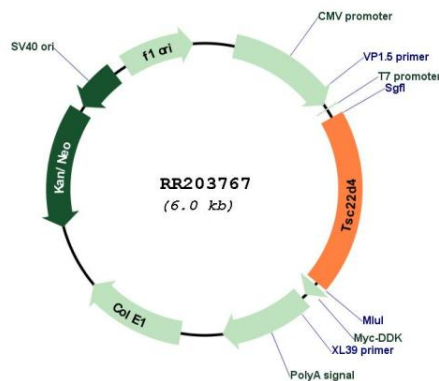
UniProt ID: [Q3B8N7](#)

Cytogenetics: 12q12

MW: 40 kDa

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

Product images:



Circular map for RR203767