

Product datasheet for MR205150

Trib2 (NM_144551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trib2 (NM_144551) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trib2
Synonyms:	AW319517; TRB-2; TRB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205150 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATACACAGGTCTACCCCTATCACAATAGCGAGATATGGGAGATCGCGGAACAAAACCCAGGATT
TCGAAGAGCTGTCGTCTATAAGGTCCGCTGAGCCAGCCAGAGTTTCAGCCCGAACCTTGGCTCTCCGAG
CCCGCCGAGACTCCGAACCTGTCGCATTGCGTTTCTTGCATCGGAAATACTTACTGTTGGAGCCTCTG
GAGGGAGACCACGTTTTCCGCGCTGTGCATCTGCACAGCGGAGAGGAGCTGGTTTGAAGGTGTTTGAGA
TCAGCTGTACCAGGAGTCCCTGGCCCCCTGCTTCTGCCTGTCTGCCCATAGCAACATCAACAAATCAC
GGAATCCTCCTGGGAGAGACCAAAGCCTATGTGTTCTTTGAGCGAAGCTATGGAGACATGCATTCCTTT
GTCCGCACTTGTAAGAAGCTGAGGGAGGAGGAGGCCAGCCGACTGTTCTACCAGATTGCCTCAGCTGTGG
CCCATTGCCACGATGGAGGCCTGGTGTGCGTGACCTCAAGCTGCGGAAATTTATCTTCAAGGATGAAGA
GAGGACTCGTGTCAAGCTGGAGAGTTTGAAGACGCTTACATTCTCCGGGTGATGATGACTCACTCTCT
GACAAGCATGGCTGCCAGCGTATGTACGCCAGAGATCTTGAACACCAGCGCAGTTATTCGGCAAGG
CAGCGGACGTGTGGAGCCTGGGGTAATGCTGTACACCATGTTGGTGGGGCGTTACCTTTCCATGACAT
TGAGCCTAGTTCTCTTTTCAGTAAGATCCGAGGGGCCAGTTCAACATTCAGAACTCTGTCTCCCAAG
GCCAAGTGCCCTCATCCGAAGCATCCTGCGACGGGAGCCGTCAGAGCGGCTGACCTCGCAGGAAATCTGG
ACCATCCTTGGTTTTCTACAGATTTTAGTGTCTCAAATTCGGGATTTGGTGCTAAAGAGGCGTGTACCA
GCTGGTGCCAGACGTCAACATGGAGGAGAACTTGACCCTTTCTTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205150 protein sequence
 Red=Cloning site Green=Tags(s)

MNIHRSTPITARYGRSRNKTQDFEELSSIRSAEPSQSFSFNLGSPSPPETPNLSHCVSCIGKYLLLEPL
 EGDHVFRAVHLHSGEELVCKVFEISCYQESLAPCFCLSAHSNINQITEILLGETKAYVFFERSYGDMMHSF
 VRTCKKLREEEAARLFYQIASAVAHCHDGLVLRDLKLRKFIKDEERTRVKLESLEDAYILRGDDDSL
 DKHGCPAYVSPEILNTSGSYSGKAADVSLGVMLYTMLVGRYPFHDIEPSSLFSKIRRGQFNIPETLSPK
 AKCLIRSI LRREPSERLTSQEILDHPWFSTDFSVNSGFGAKEACDQLVPDVNMEENLDPFFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_144551

ORF Size: 1032 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_144551.5](#), [NP_653134.2](#)

RefSeq Size: 4198 bp

RefSeq ORF: 1032 bp

Locus ID: 217410

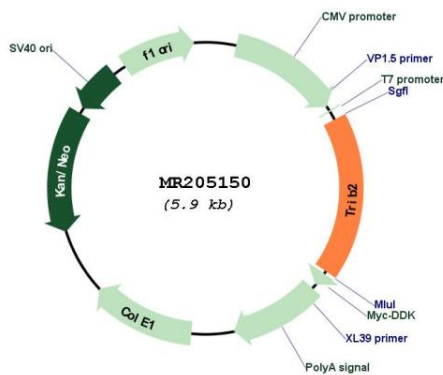
UniProt ID: [Q8K4K3](#)

Cytogenetics: 12 A1.1

MW: 38.8 kDa

Gene Summary: Interacts with MAPK kinases and regulates activation of MAP kinases. Does not display kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205150