

Product datasheet for **MR206851**

Tcn2 (NM_015749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcn2 (NM_015749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcn2
Synonyms:	AW208754; Tcn-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206851 representing NM_015749
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTCCTGAAGGCGCTGCTGCTCCTTTCTGGAGTCTTTGGGGCTCTTGCTGAATTCGTGTAATAC
 CACGGATAGACAGCCAGCTGGTAGAGAAGTTGGGTCAACGTCTTTTACCTTGATGGATCGGCTTTCTCTC
 AGAGCAGTTGAACCCAGCGTCTTCGTTGGCTGCGACTTTCCAGCATGCAGGCTGGGACCAAAGAGGAC
 CTCTACCTTACAGCCTCAAGATCCATTACCAGCAGTGCCTCCTGCGGTCCACCTCCAGCGATGATAACA
 GTAGTTGCCAGCCAAACTTTCCGGGGCAGCCTGGCGCTCTACCTGCTTCTCAGGGCCAACTGCGA
 ATTCTTCGGGAGCCGAAAGGGTGACAGGTTGATCTCACAGCTCAAGTGGTCTTGAGGATGAGAAGAAG
 GCCATTGGGCACAATCATGAAGGCCACCCCAACCAACTATTACCAGTATGGCCTCAGCATCCTGGCAC
 TGTGTGCCACCAGAAGCGGCTCCATGACAGCGTGGTGGCAAGCTCCTGTATGCTGTTGAACATGACTA
 CTTTACCTACCAGGGCCAGTCTCTGTGGACACAGAAGCCATGGCCGGCTTGGCCCTCACCTGTTTGGAG
 CGATTCATTTCAACTCTGATCTGAGACCAGAAATCACCATGGCTATCGAGACAGTGCAGAGAAAATCC
 TGAAGTCCAGGCCCTGAGGGCTACTTTGGGAATATCTATAGCACCCCACTGGCACTACAGATGCTCAT
 GACATCTCCTGCATCCGGGGTAGGGCTGGGCACAGCGTGCATCAAGGCAGGGACATCCCTGCTGCTCAGC
 CTACAGGATGGGGCTTCCAAAATCCTCTGATGATTTCCAGCTGCTACCCATCCTGAACCACAAGACCT
 ACTTGGATCTTATCTTCCAGACTGCCAGGCATCCAGGGTCATGTTGGTGCCAGCTGTTGAGGACCTGT
 CCACATCTCAGAAGTCATCAGCGTCACGCTGAAGTTCGCCAGTGCCTGTACCATACGAACAGACATTT
 TTTGTCTTGTGGATCTTCTTGAAGATGCTCTGAAGTTGGCACAAGATGGCGGAGGATTACGATG
 GGACCCAGGCCTCCTTGTGAGGCCCTACCTGACATCTGTACTAGGAAAGATGCTGGGGACCGAGAATA
 TTGGCAGCTCCTCCGAGCCCTGACACACCCCTGCTGCAAGGCATTGCTGACTACAAACCCAGGACGGG
 GAAACCATTGAGCTGCGGCTAGTTAGATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206851 representing NM_015749
 Red=Cloning site Green=Tags(s)

MELLKALLLLSGVFGALAEFCVIPRIDSQLVEKLGQRLLPMDRLSSEQLNPSVVFVGLRLSSMQAGTKED
 LYLHSLKIHYYQCLLRSTSSDDNSSCQPKLGGSLALYLLALRANCEFFGSRKGDRLISQLKWFLEDEKK
 AIGHNHEGHPNTNYYQYGLSILALCVHQRLHDSVVGKLLYAVEHDYFTYQGHVSDTEAMAGLALTCLE
 RFNFNSDLRPRTMAIETVREKILKSQAPEGYFGNIYSTPLALQMLMTSPASGVGLGTACIKAGTSLLLS
 LQDGAFAQNPLMISQLLPILNHKTYLDLIFPDCQASRVMLVPAVEDPVHISEVISVTLKVASALSPYEQTF
 FVFAGSSLEDVCLKLAQDGGGFYGTQASLSGPYLTSVLGKDAGDREYWQLLRAPDTPLLQGIADYKPDG
 ETIELRLVRW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_015749

ORF Size: 1290 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_015749.3](#), [NP_056564.1](#)

RefSeq Size: 1878 bp

RefSeq ORF: 1293 bp

Locus ID: 21452

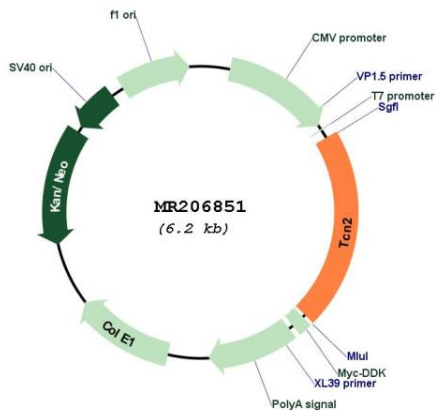
UniProt ID: [O88968](#)

Cytogenetics: 11 2.76 cM

MW: 48 kDa

Gene Summary: Primary vitamin B12-binding and transport protein. Delivers cobalamin to cells.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206851