

Product datasheet for **MG218492**

Tcn2 (NM_001130459) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tcn2 (NM_001130459) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tcn2
Synonyms: AW208754; Tcn-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218492 representing NM_001130459
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCTCCTGAAGGCGCTGCTGCTCCTTTCTGGAGTCTTTGGGGCTCTTGCTGAATTCTGTGTAATAC
 CACGGATAGACAGCCAGCTGGTAGAGAAGTTGGTCAACGTCTTTTACCTTGGATGGATCGGCTTTCCTC
 AGAGCAGTTGAACCCAGCGTCTCGTTGGCCTGCGACTTCCAGCATGCAGGCTGGGACCAAGAGGAC
 CTCTACCTTACAGCCTCAAGATCCATTACCAGCAGTGCCTCCTGCGGTCCACCTCCAGCGATGATAACA
 GTAGTTGCCAGCCAACTTTCCGGGGCAGCCTGGCGCTCTACCTGCTTCTCAGGGCCAAGTCCGA
 ATCTTTCGGGAGCCGAAAGGGTGACAGGTTGATCTCACAGCTCAAGTGGTCTTGAGGATGAGAAGAAG
 GCCATTGGGCACAATCATGAAGGCCACCCCAACCAACTATTACCAGTATGGCCTCAGCATCCTGGCAC
 TGTGTGCCACAGAAAGCGGCTCCATGACAGCGTGGTGGCAAGCTCCTGTATGCTGTTGAACATGACTA
 CTTTACCTACCAGGGCCACGTCTCTGTGGACACAGAAGCCATGGCCGGCTTGGCCCTCACCTGTTGGAG
 CGATTCAATTTCAACTCTGATCTGAGACCACGAATCACCATGGCTATCGAGACAGTGCAGAGAAAAATCC
 TGAAGTCCCAGGCCCTGAGGGTACTTTGGGAATATCTATAGCACCCCACTGGCACTACAGATGCTCAT
 GACATCTCCTGCATCCGGGTAGGGCTGGGCACAGCGTGCATCAAGGCAGGGACATCCCTGCTGCTCAGC
 CTACAGGATGGGCCTTCCAAAATCCTCTGATGATTTCCAGTGTCTACCCATCCCTGAACCACAAGACCT
 ACTTGGATCTTATCTTCCAGACTGCCAGGCATCCAGGGTCATGTTGGTGCCAGCTGTTGAGGACCTGT
 CCACATCTCAGAAGTCATCAGCGTCACGCTGAAGGTCGCCAGTGCCTGTCAACATACGAACAGACATTT
 TTTGCTTTGCTGGATCTTCTTGAAGATGTCCTGAAGTTGGCACAAGATGGCGGAGGATTCACGTATG
 GGACCCAGGCCTCCTGTGAGGCCCTACCTGACATCTGTACTAGGAAAGATGCTGGGGACCGAGAATA
 TTGGCAGCTCCTCGAGCCCTGACACACCCCTGCTGCAAGGCATTGCTGACTACAAACCCAGGACGGG
 GAAACCATTGAGCTGCGGCTAGTTAGATGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218492 representing NM_001130459
 Red=Cloning site Green=Tags(s)

MELLKALLLLSGVFGALAEFCVIPRIDSQLEKLGQRLLPMDRLSSEQLNPSVVFVGLRLLSSMQAGTKED
 LYHLHLKIHYQQCLLRSTSSDDNSSCQPKLGGSLALYLLALRANCEFFGSRKGDRLISQLKWFLEDEKK
 AIGHNHEGHPNTNYYQYGLSILALCVHQKRLHDSVVGKLLYAVEHDYFTYQGHVSDTEAMAGLALTCLE
 RFNFNSDLRPRTMAIETVREKILKSQAPEGYFGNIYSTPLALQMLMTSPASGVGLGTACIKAGTSLLLS
 LQDGAFAQNPLMISQLLPILNHKTYLDLIFPDCQASRVMLVPAVEDPVHISEVISVTLKVASALSPYEQTF
 FVFAGSLEDVCLKLAQDGGGFTYGTQASLSGPYLTSVLGKDAGDREYWQLLRAPDTPLLQGIADYKPDQG
 ETIELRLVRW

TRTRPLE - GFP Tag - V

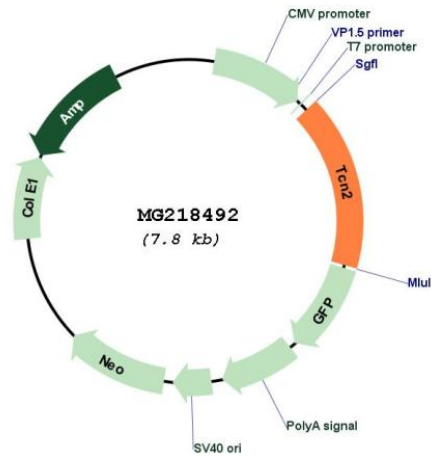
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001130459

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:	<ol style="list-style-type: none">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_001130459.1 , NP_001123931.1
RefSeq Size:	2030 bp
RefSeq ORF:	1293 bp
Locus ID:	21452
UniProt ID:	O88968
Cytogenetics:	11 2.76 cM
Gene Summary:	Primary vitamin B12-binding and transport protein. Delivers cobalamin to cells. [UniProtKB/Swiss-Prot Function]