

## Product datasheet for MR202740

### Tsn (NM\_011650) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tsn (NM_011650) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tsn
Synonyms:	2610034C24Rik; AU040286; C3PO; TB-RBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202740 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGTCTGTGAGCGAGATCTTCGTGGAGCTGCAGGGCTTTTTGGCTGCCGAGCAGGACATCCGAGAGGAAA  
TACGAAAAGTTGTACAGAGTTTAGAACAACTGCTCGAGAGATTTTGACCCTACTTCAAGGGTCCACCA  
GGGTACTGGATTCAGGACATCCAAAGAGGTGCTTGAAAGCGAGAGAACATTTCAAGTACAGTAAAAACA  
CATCTCACATCCCTGAAGACCAAGTCCCCGCTGAGCAGTATTACAGTTTCATGAGCATTGGCGGTTCCG  
TGCTTCAGCGCCTGGTCTTCCTGGCAGCATTTGTGGTATATTTGAAACAGAGACCCTGGTGACCCGAGA  
GGCTGTTACAGAGATTCTTGGCATTGAACCAGATCGGGAAAAAGGGTTTCATCTGGATGTGGAAGATTAT  
CTCTCAGGAGTTTTAATCTTGCCAGTGAAGTGTGCGAGGCTGTCTGTCAACAGTGTCACTGCTGGAGACT  
ACTCTCGGCCCTTCACATTTCTACTTTCAATGAGCTGGATTCTGGTTTTCGTCTTCTCAATCTGAA  
AAATGACTCCCTGAGGAAGCGCTACGACGGCTTGAAGTACGATGTGAAGAAAGTAGAGGAGGTGGTCTAT  
GACCTTCCATCCGAGGCTTCAATAAGGAGACAGCAGCGGCTTGTGGTAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR202740 protein sequence  
 Red=Cloning site Green=Tags(s)

MSVSEIFVELQGFLAAEQDIREEIRKVVQSLEQTAREILTLLQGVHQGTGFQDIPKRCLKAREHFSTVKT  
 HLTSLKTKFPAEQYRFHEHWRFLQRLVFLAAFVYLETETLVTREAVTEILGIEPDREKGFHLDVEDY  
 LSGVLILASELSRLSVNSVTAGDYSRPLHISTFINELDSGFRLNLKNDLSLRKRYDGLKYDVKKVEEVVY  
 DLSIRGFNKETAACGEK

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\_011650

**ORF Size:** 687 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\\_011650.1](#), [NM\\_011650.2](#), [NM\\_011650.3](#), [NP\\_035780.1](#)

**RefSeq Size:** 3040 bp

**RefSeq ORF:** 687 bp

**Locus ID:** 22099

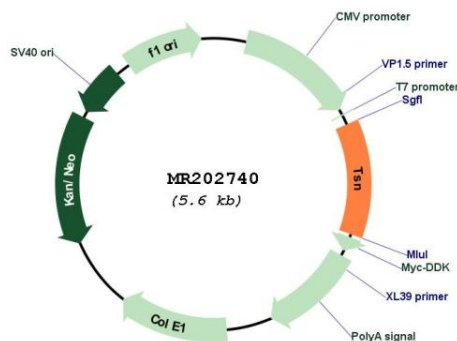
**UniProt ID:** [Q62348](#)

**Cytogenetics:** 1 E2.3

**MW:** 26.2 kDa

**Gene Summary:** DNA-binding protein that specifically recognizes consensus sequences at the breakpoint junctions in chromosomal translocations, mostly involving immunoglobulin (Ig)/T-cell receptor gene segments. Seems to recognize single-stranded DNA ends generated by staggered breaks occurring at recombination hot spots.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR202740