

## Product datasheet for **MR206945**

### **Tcf2 (BC025189) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tcf2 (BC025189) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcf2
Synonyms:	vHNF1, HNF-1Beta, Hnf1beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206945 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATCAAGGGATACATGCAACAGCACAATATCCCCAGAGGGAGGTGGTCGATGTCACAGGCCTGAACC  
 AATCCACCTCTCTCAACACCTCAACAAGGGCACCCCATGAAGACCCAGAAGAGAGCTGCCTGTACAC  
 TTGGTACGTGAGAAAGCAACGGGAGATCCTCCGACAGTTCAACCAGACAGTCCAGAGCTCTGAAACATG  
 ACAGACAAAAGCAGTCAGGATCAGCTGCTGTTTCTTTCCAGAGTTCAGTCAACAGAACCAGGGCCTG  
 GGCAGTCGGAGGACACCTGCTCCGAGCCCAACAAGAAGATGCGCCGAACCGGTTTAAATGGGGCC  
 CGCATCCAGCAAATTTGTACCAGGCCTACGACCGGCAAAGAATCCCAGCAAGGAAGAGAGGGAGGCC  
 TTAGTGGAGGAGTGAACAGGGCAGAATGTTTGAACGAGGGGTCTCCCTTCCAAGCCCACGGCCTAG  
 GCTCCAACCTGGTCACGGAGTCCGTGTCTACAACCTGGTTCGAAACCGCCGAAGGAAGAGGGCCTCAG  
 GCAGAAGCTGGCCATGGATGCCTATAGCTCCAACCAGACGCACAACCTGAACCCCTGCTCACCCATGGC  
 TCCCTCACCATCAGCAAGCTCCTCTCCACCCAACAAGATGTCAGGAGTGCCTACAACCAGCCGGAA  
 ACAATGAGGTCACCTTCTCTTCGACAATCAGTCCCATGGTAACAGTGCCATGGTGACCAGCCAGTCGGT  
 TTTACAGCAAGTCTCCCAGCCAGCCTGGACCCAGGCCACAGTCTCCTCTCACCTGACAGTAAAAATGCAG  
 ATCACAGTGTCCGGAGGAGGACTGCCTCCCGTCAGCACCTTGACGAATATCCACAGCCTCTCCCACCACA  
 ATCCCCAGCAATCTCAGAACCTCATCATGACCCCTGTCTGGAGTATGGCCATTGCACAGAGCCTCAA  
 CACCTCCCAAGCCAGGGTGTCCCGTCAATTAACAGTGTGGCTAGCAGCCTGGCAGCCCTACAGCCCGTC  
 CAGTCTCTCAACAGCTGCACAGCCCTACCAGCAGCCCTCATGCAGCAGAGCCAGGCAGTACATGG  
 CCCAGCAGCCCTTATGGCCCGGTGACTCAGCTACAGAATCCCACATGTATGCACATAAGCAGGAACC  
 CCCCAGTATCCACACCTCCCGTCCCATCTGCAATGGTGGTCACAGATACAGTAGCATCAACACT  
 CTCACCAGCATGTCTCCAGTAAACAGTGTCCACTGCAAGCCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206945 protein sequence  
 Red=Cloning site Green=Tags(s)

MIKGYMQQHNIPQREVVDVTGLNQSHLSQHLNKGTPMKTQKRAALYTWYVRKQREILRQFNQTVQSSGNM  
 TDKSSQDQLLFLFPEFSQQNQPGQSEDTCSEPTNKKMRRNRFKWGPASQQILYQAYDRQKNPSKEEREA  
 LVEECNRAECLQRGVSPSKAHGLGSLNVTEVRVYNWFANRRKEEAFRQKLAMDAYSNNQTHLNPLLTHG  
 SPHHQPSSPPNKMMSGVRYNQPGNNEVTSSTISHHGNSAMVTSQSVLQQVSPASLDPGHSLLSPDSKMQ  
 ITVSGGGLPPVSTLTNIHSLSHHNPQQSQNLIMTPLSGVMAIAQSLNLSQAQGVPIINSVASSLAALQPV  
 QFSQQLHSPHQPLMQQSPGSHMAQQPFMAAVTQLQNSHMYAHKQEPQYSHTSRFPSAMVVTDTSINT  
 LTMSSSKQCPLQAW

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC025189

**ORF Size:** 1305 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:** [BC025189](#), [AAH25189](#)
**RefSeq Size:** 2393 bp

**RefSeq ORF:** 1307 bp

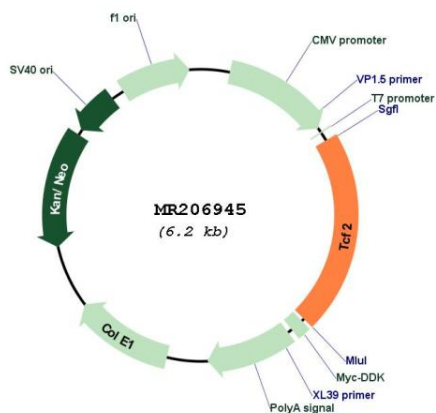
**Locus ID:** 21410

**Cytogenetics:** 11 51.23 cM

**MW:** 48.3 kDa

**Gene Summary:** Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'.  
[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206945