

Product datasheet for **MR202540**

Tbn (BC057895) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbn (BC057895) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbn
Synonyms:	AW260255; Tbn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202540 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACACGGCGCCGGCCTGGTGGCTCCGGAACGAGACCGGAAGTAAGCAATCCACTAACCCCTG
CTGATAACTACCATCTGGCCGGAGGAGACCCTGCAAGTGGTTGTGAGCTCCTTGCTGACAGAGGCGGG
ATTTGAGAGTGCCGAGAAAGCGTCTGTGGAGACACTGACAGAGATGCTGCAGAGCTACATCTCAGAAATC
GGGAGAAGTGCTAAGTCATACTGTGAGCACACAGCCAGGACCCAGCCCACTGTCCGACATCGTGGTCA
CATTGGTTGAAATGGGCTTCAATGTTGACTCTACCTGCCTATGCAAAACGGTCTCAGAGGATGGTCAT
CACTGCACCTCCAGTGACCAATCAGCCAGTGACCCCAAGGCCCTCACTGCAGGGCAGAACCGGCCCCAC
CCGCCACACATCCCCAGCCATTTTCTGAGTTTCCGGATCCCCACACCTACATCAAACTCCGACATACC
GTGAGCCAGTGTCTGACTACCAGATCCTTCGGGAGAAGGCCGATCTCAGAGACGAGACGTGGAGCGAGC
ACTCACCCGCTTCATGGCCAAGACAGGCCGAGACCCAGAGTCTTTTCAAGGATGATGTCAGCACTTTTCT
TTGATCTCTGACCAGCATTTGATTAAGCACCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR202540 protein sequence
Red=Cloning site Green=Tags(s)

MADTAAGPGGSGTRPGSKQSTNPADNYHLARRRTLQVVVSSLLTEAGFESA EKASVETLTEMLQSYISEI
 GRS AKSYCEHTARTQPTLSDIVVTLVEMGFNVDTLPAYAKRSQRMVITAPPVTNQPVTPKALTAGQNRPH
 PPHIPSHFPEFPDPHTYIKTPTYREPVSDYQILREKAASQRRDVERALTRFMAKTGETQSLFKDDVSTFP
 LISDQHLIKAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC057895

ORF Size: 663 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: [BC057895](#), [AAH57895](#)

RefSeq Size: 1618 bp

RefSeq ORF: 665 bp

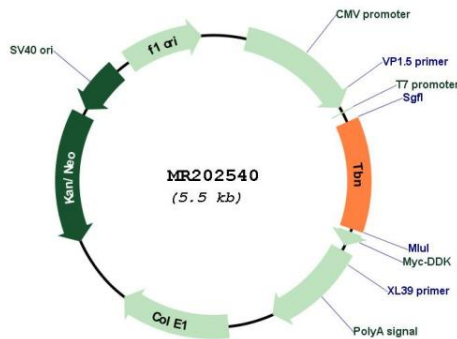
Locus ID: 63856

Cytogenetics: 17 C

MW: 24.4 kDa

Gene Summary: Transcription factor TFIID is one of the general factors required for accurate and regulated initiation by RNA polymerase II. Mediates both basal and activator-dependent transcription. Plays a role in the differentiation of preadipocyte fibroblasts to adipocytes, however does not seem to play a role in differentiation of myoblasts. Required for the integration of TAF10 in the TAF complex (By similarity). May be important for survival of cells of the inner cell mass which constitute the pluripotent cell population of the early embryo.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202540