

## Product datasheet for RC211988

### TBP2 (TBPL2) (NM\_199047) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TBP2 (TBPL2) (NM_199047) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBP2
Synonyms:	TBP2; TRF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211988 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGGCCTCTGCGCCCTGGCCGGAGCGGGTTCGAGGCTGCTCGCTCCGCGCTTACCCTCTTACCCGCCCC  
CACCCCCAACAGTGGGATTACCGTCCATGGAGCAGGAGGAGACCTACCTGGAGCTCTACCTGGACCAGTG  
CGCCGCTCAGGATGGCCTTGCCCCACCCAGGTCTCCCCTGTTCCAGCCAGTTGTACCTTATGATATGTAC  
ATACTGAATGCATCCAATCCGGATACTGCATTTAATTCGAACCCCTGAAGTCAAAGAAACATCTGGTGATT  
TCTCATCTGTGGATCTTAGCTTCTACCAGATGAAGTTACCCAGGAAAATAAAGACCAGCCTGTCATTAG  
CAAACACGAAACTGAAGAAAATTCGAAAGCCAAAGTCCACAAAGTAGGTTGCCATCACCCAGCGAACAG  
GACGTTGGGCTGGGCTTAAACAGCAGCAGTTTGTCAAATTCACAGCTGCACCCTGGTGATACTG  
ACTCAGTCCAGCCCTCTCCTGAGAAACCAAACCTCCGACTCCTTGTCTCTGGCATCCATAACTCCCATGAC  
ACCAATGACCCCTATTTTCAGAAATGTTGTGGAATTGTACCTCAACTACAGAATATAGTTTCCACTGTAAAC  
CTGGCCTGTAAGTTGGATCTGAAGAAAATAGCTTTGCATGCAAAAAATGCAGAATATAACCCAAAGAGGT  
TTGCTGCTGTATAATGAGGATCCGAGAGCCAGGACAACAGCCCTTATATTTAGCTCTGGGAAGATGGT  
CTGCACGGGAGCCAAAAGTGAAGAGCAGTCTCGACTTGCAGCAAGAAAATATGCTCGTGTGGTGCAGAAG  
CTTGGGTTCCCTGCCAGATTCCCGATTTTAAAATTCAGAACATGTTGGAAGCTGTGATGTGAGATTTTC  
CCATCAGGCTGGAAGGTTTGGTGCTAACCCATCAGCAGTTTCAGTAGTTACGAGCCTGAACCTGTTTCTCTGG  
TCTTATTTATAGAATGGTAAAACCACGAATTGTGTTGCTTATCTTTGTATCTGGAAAAGTTGTGTTGACA  
GGTGCCAAAGAACGTTCTGAGATCTATGAAGCATTTGAAAACATCTATCTATTCTAAAAGGTTTTAAAA  
AAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC211988 protein sequence  
Red=Cloning site Green=Tags(s)

MASAPWPERVPRLLAPRLPSYPPPPPTVGLPSMEQEETYLELYLDQCAAQDGLAPRSPLFSPVVPYDMY  
 ILNASNPDTAFNSNPEVKETSGDFSSVDLSFLPDEVTQENKDQPVISKHETEENSESQSPQSRPSPSEQ  
 DVGLGLNSSSLNSHSQ LHPGDTDSVQPSPEKPNSDSLASITPMTPTPISECCGIVPQLQNIIVSTVN  
 LACKLDLKKIALHAKNAEYNPKRFAAVIMRIREPRRTALIFSSGKMVCTGAKSEEQSRLAARKYARVVQK  
 LGFPARFLDFKIQNMVGS CDVRFPIRLEGLVLTHQQFSSYEPELFPGLIYRMVKPRIVLLIFVSGKVLT  
 GAKERSEIYEFENIYPIILKGFKKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6463\\_e01.zip](https://cdn.origene.com/chromatograms/mk6463_e01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_199047

**ORF Size:** 1125 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\\_199047.2](#), [NP\\_950248.1](#)

**RefSeq Size:** 1304 bp

**RefSeq ORF:** 1128 bp

**Locus ID:** 387332

**UniProt ID:** [Q6SJ96](#)

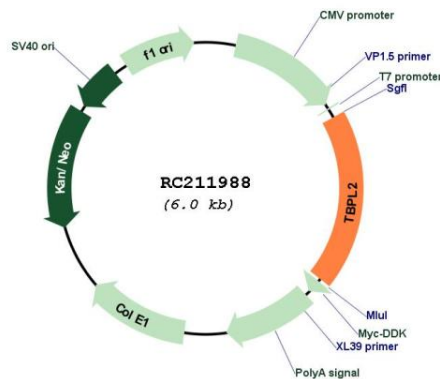
**Cytogenetics:** 14q22.3

**Protein Pathways:** Basal transcription factors, Huntington's disease

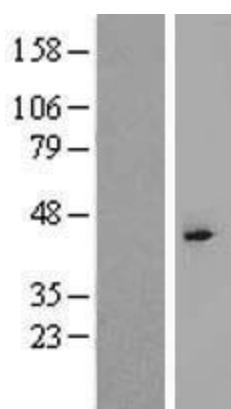
**MW:** 41.5 kDa

**Gene Summary:** Transcription factor required in complex with TAF3 for the differentiation of myoblasts into myocytes. The complex replaces TFIID at specific promoters at an early stage in the differentiation process (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC211988



Western blot validation of overexpression lysate (Cat# [LY404724]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211988 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).