

Product datasheet for **RC206981**

TMSB15B (NM_194324) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMSB15B (NM_194324) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TMSB15B
Synonyms: Tbeta15b; TMSB15A; TMSL8; TMSNB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC206981 representing NM_194324
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGATAAACAGACTTGTCCGGAAGTGGAGAAGTTTGACAGGTCAAACCTGAAGAAAATAACTG
AAGAAAAAATACTCTCCCTCAAAGGAAAACTCATTATGTGCGATATGGCAAGAGAGAAAGTGATA
CGCTGATATAAGAAGCAAGAAACCTTCCTCCTCCAGATGTGTGTCAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206981 representing NM_194324
Red=Cloning site Green=Tags(s)

MSDKPDLSEVEKFDKSLKKTNTEEKNTLPSKEKLHYVRYGKRESEYADIRSKKPSFLPDVCQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6333_c12.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_194324

ORF Size: 189 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_194324.1](#), [NP_919305.1](#)

RefSeq Size: 1729 bp

RefSeq ORF: 138 bp

Locus ID: 286527

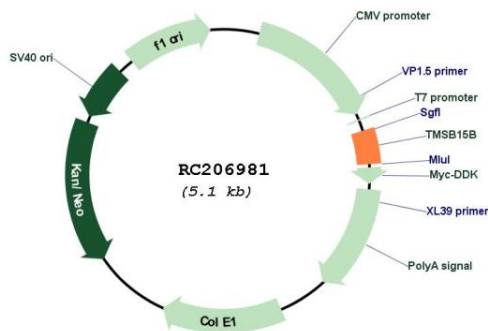
UniProt ID: [Q99406](#)

Cytogenetics: Xq22.2

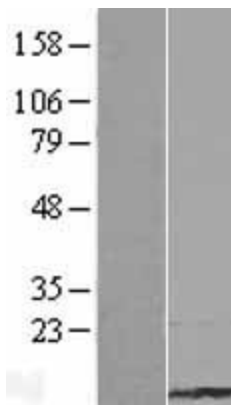
MW: 5 kDa

Gene Summary: Plays an important role in the organization of the cytoskeleton. Binds to and sequesters actin monomers (G actin) and therefore inhibits actin polymerization (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206981



Western blot validation of overexpression lysate (Cat# [LY405171]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206981 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).