

Product datasheet for **RG206981**

TMSB15B (NM_194324) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: TMSB15B
Synonyms: Tbeta15b; TMSB15A; TMSL8; TMSNB
Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206981 representing NM_194324
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTGATAAACCAGACTTGTGCGGAAGTGGAGAAGTTTGACAGGTCAAACTGAAGAAACTAATACTG
AAGAAAAAATACTCTTCCCTCAAAGGAAAACTTCATTATGTGCGATATGGCAAGAGAGAAAGTGAATA
CGCTGATATAAGAAGCAAGAAACCTTCCTTCCTCCAGATGTGTGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206981 representing NM_194324
Red=Cloning site Green=Tags(s)

MSDKPDLSEVEKFDRSKLKKTNTEENLPSKEKLHYVRYGKRESEYADIRSKKPSFLPDVCQ

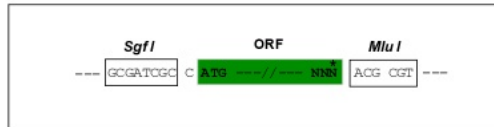
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCCGCGCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -
 --- --- GAA GAA AGA GTT TAA ACGCCGCCGCGGAGCT
 - - E E R V Stop

ACCN: NM_194324

ORF Size: 189 bp

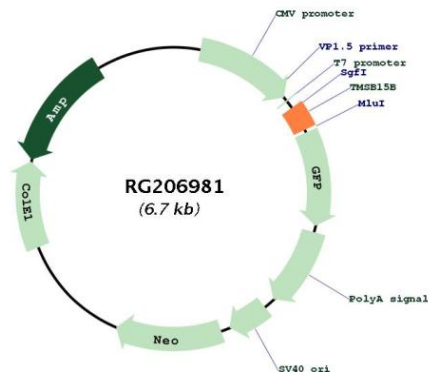
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_194324.1, NP_919305.1</u>
RefSeq Size:	1729 bp
RefSeq ORF:	138 bp
Locus ID:	286527
UniProt ID:	<u>Q99406</u>
Cytogenetics:	Xq22.2
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 RG206981