

Product datasheet for **RC224993**

TOMM6 (NM_001134493) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOMM6 (NM_001134493) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TOMM6
Synonyms: OBTP; TOM6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224993 representing NM_001134493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCAGCACTGTCCCGGTGAGCGCTGCTGGCTCGGCTAATGAACTCCCGAAATACCGGACAACG
TGGGAGATTGGCTTCGGGGCGTCTACCGCTTTGCCACTGATAGGAATGACTTCGGAGGAACTTGATACT
AAATTTGGGACTCTTGCTGCGGGAGTTGGCTGGCCAGGAATTGAGTGACATTGACCTCATGGCACCT
CAGCCAGGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224993 representing NM_001134493
Red=Cloning site Green=Tags(s)

MASSTVPVSAAGSANETPEIPDNVGDWLRGVYRFATDRNDFRRNLIILNLGLFAAGVWLARNLSDIDLMAP
QPGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_g03.zip

Restriction Sites: Sgfl-Mlul



[View online »](#)

Cloning Scheme:


ACCN: NM_001134493

ORF Size: 222 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_001134493.2](#)

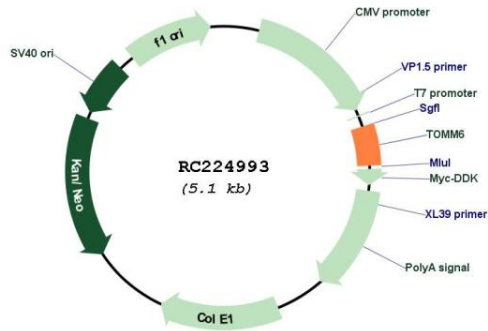
RefSeq ORF: 225 bp

Locus ID: 100188893

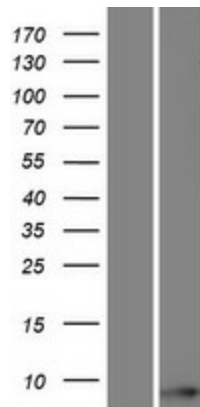
UniProt ID: [Q96B49](#)

Cytogenetics: 6p21.1
 MW: 7.8 kDa

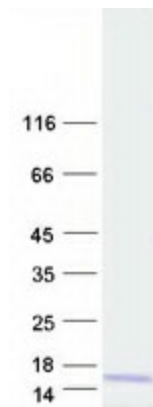
Product images:



Circular map for RC224993



Western blot validation of overexpression lysate (Cat# [LY427460]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224993 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TOMM6 protein (Cat# [TP324993]). The protein was produced from HEK293T cells transfected with TOMM6 cDNA clone (Cat# RC224993) using MegaTran 2.0 (Cat# [TT210002]).