

Product datasheet for MR229153

Tomm34 (NM_001291155) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tomm34 (NM_001291155) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tomm34
Synonyms: 2610100K07Rik; TOM34
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229153 representing NM_001291155
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCAAAGTCTCGGATTCGTTGGAACAGCTCCGCGCTGCCGGCAACCAGAACTTCCGCAATGGCC
 AGTACGGCGAAGCCTCGGCGCTGTACGAGCGCGCACTGCGGCTGCTGCAGGCGGAGTTCTGCAGACCC
 CGAAGAAGAAAGTGTCTGTACTCCAACCGTGCAGCGTGTACTTGAAGGATGGGAACTGCACAGATTGC
 ATCAAAGATTGCACTTCCGCGCTGGCCTTGGTTCCCTTCAGCATCAAGCCCTTGCTGCGCAGAGCATCTG
 CATATGAAGCCCTGGAGAAGTACGCCCTGGCCTACGTTGACTATAAGACTGTGCTGCAGATCGATAACAG
 TGTGGCATCCGCCCTGGAAGGCATCAACAGAATAACCAGAGCTCTCATGGACTCCCTGGGACCTGAGTGG
 CGCCTGAAGCTGCCCCCTATCCCTGTGGTGCCTGTTTCAGCCCAGAAGAGATGGAATTCCTTGCCTTCAG
 ATAACCACAAAGAGACAGCTAAAACCAATCCAAAGAAGCCACAGCTACGAAGAGCAGAGTGCCTTCTGC
 TGGGGATGTGGAGAGAGCCAAAGCTCTGAAGGAAGAAGGCAATGACCTTGTAAAGAAGGGCAACCATAAG
 AAAGCTATTGAGAAGTACAGTGAAGGCTCTTGTGTAGTAGCCTGGAGTCTGCCACATACAGCAACAGAG
 CGCTCTGTACCTGGTCTGAAGCAGTACAAGGAGGCAAGTAAAGGACTGCACAGAAGCCCTCAAGCTGGA
 TGGGAAGAATGTAAAGGGTTTTACAGACGGGCTCAAGCCCTACAAGGCACTCAAGGACTATAAGTCAAGC
 CTTTCGGATATCAGCAGCCTCTACAAATTGAACCCAGGAATGGCCCTGCACAGAAGTTACGGCAGGAAG
 TTAACCAGAACATGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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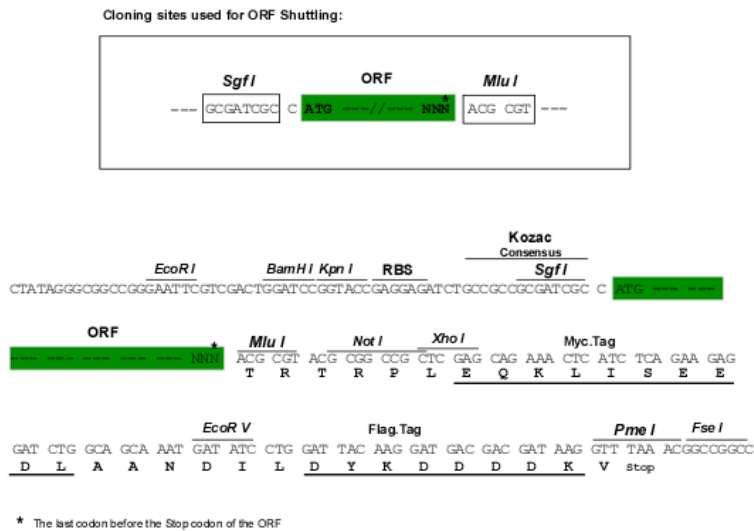
Protein Sequence: >MR229153 representing NM_001291155
 Red=Cloning site Green=Tags(s)

MAPKVSDSVEQLRAAGNQFRNGQYGEASALYERALLQARGSADPEEESVLYSNRAACYLKDGNCTDC
 IKDCTSALALVPFSIKPLLRASAYEALEKYALAYVDYKTVLQIDNSVASALEGINRITRALMDSLGPWE
 RLKLPPIPVVPSAQKRWNSLPSDNHKETAKTKSKEATATKSRVPSAGDVERAKALKEEGNDLVKKGNHK
 KAIEKYSESLLCSSLESATYSNRALCHLVLKQYKEAVKDCTEALKLDGKNVKAFYRRAQAYKALKDYKSS
 LSDISSLLQIEPRNGPAQKLRQEVNQNMN

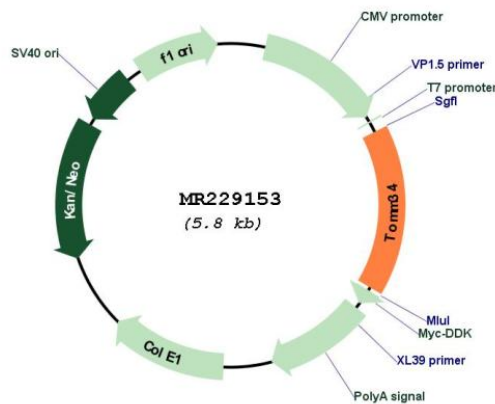
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291155

ORF Size: 927 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:	<ol style="list-style-type: none">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_001291155.1 , NP_001278084.1
RefSeq Size:	1940 bp
RefSeq ORF:	930 bp
Locus ID:	67145
UniProt ID:	Q9CYG7
Cytogenetics:	2 H3
MW:	34.7 kDa
Gene Summary:	Plays a role in the import of cytosolically synthesized preproteins into mitochondria. Binds the mature portion of precursor proteins. Interacts with cellular components, and possesses weak ATPase activity. May be a chaperone-like protein that helps to keep newly synthesized precursors in an unfolded import compatible state (By similarity).[UniProtKB/Swiss-Prot Function]