

Product datasheet for **RC227520**

TOM1 (NM_001135732) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOM1 (NM_001135732) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TOM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC227520 representing NM_001135732
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTTTCTCCTGGGAACCCGTTCACTCTCCAGTGGGACAGCGCATCGAGAAAGCCACAGATGGT
 CCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGCGACATCATCAACGAGACGGAGGAAGTCC
 CAAAGATGCCCTCCGAGCAGTAAAGAAGAGAATCGTGGGAATAAGAACTTCCACGAGGTGATGCTGGT
 CTCACAGTCTTAGAAACCTGTGTCAAGAACTGCGGGCACCGCTTCCACGTGCTGGTGGCCAGCCAGGACT
 TCGTGGAGAGTGTGCTGGTGGAGACCATCTGCCAAGAACAACCCACCCACCATCGTGCATGACAAAGT
 GCTCAACCTCATCCAGTCTGGGCTGACGCGTTCGCGAGCTCGCCGATCTGACAGGTGTGGTACCATC
 TATGAGGACCTGCGGAGGAAAGGCTGGAGTTCCTCATGACTGACCTGGACATGCTGTACCCATCCACA
 CACCCAGAGGACCGTGTCAACTCAGAGACACAATCAGGACAGGATTCTGTGGGACTGACTCCAGCCA
 GCAAGAGGACTCTGGCCAGCATGTGCCCTCTGCCCGCCCGCCATACTCTCCGGTACACGCCCATA
 GCACCAACCCCGAACAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGGTGGGAACGTGAGGGTGA
 TGTCCGAGATGCTGACGGAGCTGGTGCCACCCAGGCCGAGCCCGACAGCTGGAGCTGTGCAGGAGCT
 CAACCGCACGTGCCGAGCCATGCAGCAGCGGTCTGGAGCTCATCCCTCAGATCGCAATGAGCAGCTG
 ACAGAGGAGCTGCTCATCGTCAATGACAATCTCAACAATGTGTTCTGCGCCATGAACGGTTTGAACGGT
 TCCGAACAGGCCAGACCACCAAGGCCCAAGTGGGCGGAGCCGCGAGCTGACCTGATCGACATGGGCC
 TGACCCAGCAGCCACCGCAACCTCTATCCAGCTGGCAGGAATGAACCTGGGCTCCAGCAGTGTGAGA
 GCTGGCCTGCAGTCTCTGGAGGCTCTGGTCCAGTGGAAAGATGAGTTTGACATGTTTGGCTGACACGGG
 GCAGCTCACTGGCTGACCAACGGAAGAGGTAATAACGAAGCCCAAGCAACAGACGGCTGGCTGG
 AGCCCTGGACGCCCGGCAGCAGAGCACTGGCGCATCCAGTCAACCCAGGCTGCCTCATGGAGGACATC
 GAGCAGTGGCTGTCCACTGACGTGGTAATGATGCGGAAGAGCCTAAGGGGGTACCAGCGAAGGTAAT
 TTGACAAATTCCTGGAAGAACGGGCCAAAGCCGCGGACCGATTGCCAACCTCTCCAGCCCTCAGCTGA
 GGGGCCCCGGTCCCCATCTGGCCAGCGCCCGGAAGAAGACCCAGGAGAAAGATGATGACATGCTG
 TTTGCCTTA

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAA
TTACAAGGATGACGACGATAAAGTTTAA

Protein Sequence:

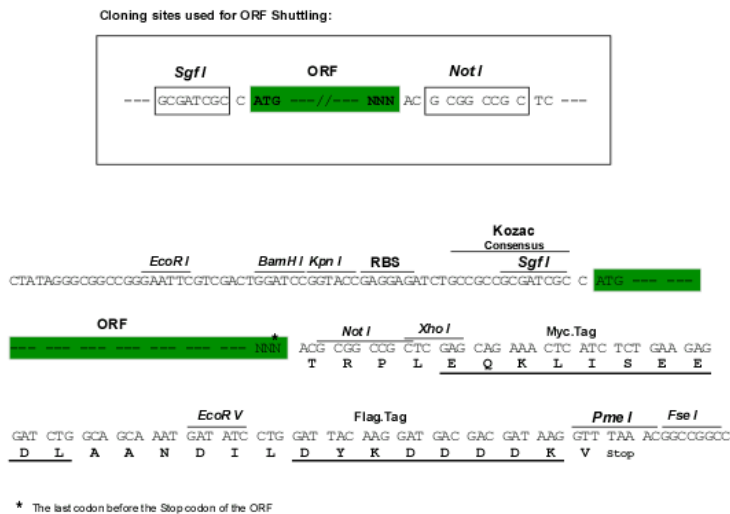
>RC227520 representing NM_001135732
 Red=Cloning site Green=Tags(s)

MDFLLGNPFSSPVGQRIEKATDGSLSQEDWALNMEICDIINETEEGPKDALRAVKKRIVGNKNFHEVMLA
 LTVLETVCVKNCGHRFHVLVASQDFVESVLVRTILPKNNPPTIVHDKVLNLIQSWADAFRSSPDLTGVVTI
 YEDLRRKGLFPMTDLDMLSPIHTPQRTVFNSEQSGQDSVGTDSQQEDSGQHAAPLPAPPILSGDTPI
 APTPEQIGKLRSELEMVSGNVRVMSEMLTEL VPTQAEPADLELLQELNRTCAMQQRVLELIPQIANEQL
 TEELLIVNDLNNVFLRHERFERFRTGQTTKAPSEAEPADLIDMGPDPAATGNLSSQLAGMNLGSSSVR
 AGLQSLASGRLEDFDMFALTRGSSLADQRKEVKYEAQATDGLAGALDARQQSTGAIPVTQAACLMEI
 EQWLSTVDVGNDAEPEKGVTSSEKFKDFLEERAKAADRLPNLSSPSAEGPPGPPSGPAPRKKTQEKDDDM
 L

TRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-NotI

Cloning Scheme:


ACCN: NM_001135732

ORF Size: 1479 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_001135732.1](#), [NP_001129204.1](#)

RefSeq ORF: 1482 bp

Locus ID: 10043

UniProt ID: [O60784](#)

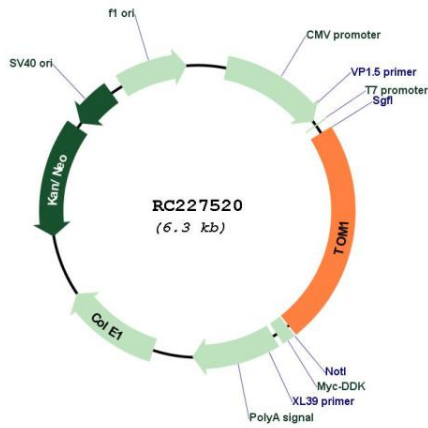
Cytogenetics: 22q12.3

Protein Families: Druggable Genome

MW: 53.7 kDa

Gene Summary: This gene was identified as a target of the v-myb oncogene. The encoded protein shares its N-terminal domain in common with proteins associated with vesicular trafficking at the endosome. It is recruited to the endosomes by its interaction with endofin. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC227520