

Product datasheet for **MR230457**

Trim26 (NM_001286727) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim26 (NM_001286727) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim26
Synonyms:	AI462198; Zfp173; Zfp1736
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230457 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGTGT**CAGCCCCCTT**GAGGAGCCTGGAGGAAGAGGTGACCTGCTCCATCTGCCTGGATTACCTGA
 GGGACCCGGT**GACCATCGACTGTGGCCATGTCTTCTGTCGAGCTGCACAAGTGATATCCGCCCCATATC**
 GGGGAACCGCCTGTCTGCCCGCTCTGCAAGAAGCCCTTAAAGAAGGAGAACATCCGACCCGTGTGGCAG
 CTAGCAAGTCTGGTGGAGAACATTGAACGGCTGAAGGTGGACAATGGCAGACAGCCAGGAGAGCTCGCCC
 GCGAGCCACAGGACATGAAGTTGTGTGAGCGGCACCAGGAGAAGCTACACTACTACTGTGAAGATGATGG
 CAAACTGTTGTGTGTGATGTGCAGGGAGTCCCGGGAGCACCGCCCCACACTGCAGTCTGGTGGAGAAA
 GCCGCCCTGCCTCACAGAGAGAAAATTCTGAACCACTTGAACACCCTAAGGAGAGACAGAGACAAAATCC
 AGGGCTTCAAGCAAGGGAGAAGCTGATATTCTGGCTGCACTGACAAAGCTGCAGGAGCAGAGGCAGTA
 CATTGTGGCGGAATTTAAGCAGGGCCACCAGTTTCTAAAGAAGCGGGAGCAGCACCTGCTAGACCAGCTG
 GCCACCTTGGAGCAGCTCCTCACCGAGGGCAGGGAGAAGTTCAAGACCCGGGGCGTCACTGAGCTTGACC
 GTTGACTCTGGTCATCTCCGAGCTGGAGGGCAAGGCACGACAGCCAGCTGCAGAGCTGATGCAGGATGT
 CTGCACTACACAGGACACCAAGGACTTCGCCAACAAAGTACCCACGGAAGAAGTTCTGGATTGGGAAAGCC
 ATCCCTCACATGGTTAAAGAAAGGCAGGAGAATTCTCAGATAAACTTCTTCTCTGCAGCGAGGCCTGA
 GGCAGTTCAGGGCAAGCTGTGAGAGACTTGGAGTATAAGACAGTAAGCGTCACCCTGGACCCACAGTC
 GGCCAGTGGATACCTACATCTTTCAGAGGACTGGAAGTGTGTGACCTATACTGGCCAATACCAGAGTGAC
 TGTCTGCTCCCCAGCAGTTTACTGTGAGCCAGGAGTGTGGCAGCAAGGGCTTACATGGGGAAAGG
 TATACTGGGAAGTAGAGTTGGAGAGAGAAGGCTGGTCAGAGGATGAAGAAGAGGGGAGGGAAGAAGA
 AGGGGAAGAAGGAAGAAGACGAGGAGGTTGGCTATGGGGACGGATACGAAGACTGGGAAACAGATGAA
 GAAGACGAATCACTGGGGAAAGGAAGAGGAGGAAGAGGAAGAAGAAGAAGAAGTTCAAGAAAGCTGCA
 TGGTGGGAGTGGCCAAAGACTCTGTGAAGAGAAAGGGGACCTCTCCCTGCGACCAGAAGATGGTGTGTG
 GGCCCTTCGGCTCTCCCTCAGGTATCTGGCCAACACGAGCCAGAGGCCAGCTGTTCCCGGTGCTG
 CGGCCCGGAGAGTGGGCATCGCCCTGGATTATGAAGGTGGCACTGTGACATTACCAATGCAGAGTCCC
 AGGAACTCATCTATACCTCACGACCACCTTACCCTGGCGCTGGTTCCTTCTGTGGCTCAAGTGGCC
 AGGAGCACGCCTTCTGTGAGACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230457 protein sequence
 Red=Cloning site Green=Tags(s)

MAVSAPLRSLEEEVTCISICLDYL RDPVTIDCGHVFCRSCTSDIRPISGNRPVCPLCKKPFKKNIRPVWQ
 LASLVENIERLKVDNGRQPGELAREPQDMKLCERHQEKLHYCEDDGKLLCVMCRESREHRPHTAVLVEK
 AALPHREKILNHLNLRDRDKIQGFQAKGEADILAAALTKLQEQRQYIVAEFKQGHQFLKKREQHLLDQL
 ATLEQLL TEGREKFKTRGVSELDRLTLVISELEGKARQPAEELMQDVCTTQDTKDFANKYPRKFWIGKA
 IPHMVVRKAGEFSDKLLSLQRGLRQFQKLLRDLEYKTVSVTLDPQSASGYLHLSWDKCVTYTGQYQSD
 CLLPQQFDCEPGVLGSKGFTWGVVYWEVELEREGWSEDEEEEGEEEEEEEEDEEVGYDGYEDWETDE
 EDESLGEEEEEEEEEEVQESCMVGVAKDSVKRKGDLSLRPEDGVWALRLSPSGIWIWANTSPQAQLFPVL
 RPRRVGIALDYEGGTVTFNAESQELIYFTTTFTRRLLVPFLWLKWPGARLLLLRP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001286727

ORF Size: 1635 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: [NM_001286727.1](#), [NP_001273656.1](#)

RefSeq Size: 3199 bp

RefSeq ORF: 1638 bp

Locus ID: 22670

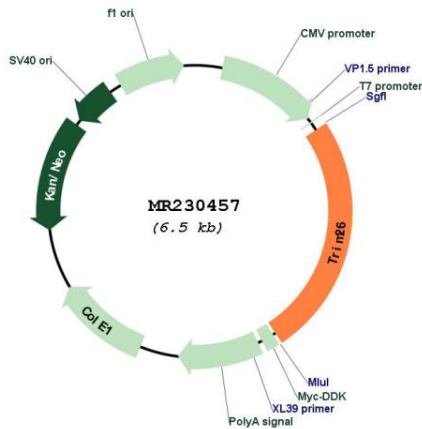
UniProt ID: [Q99PN3](#)

Cytogenetics: 17 19.16 cM

MW: 62.8 kDa

Gene Summary: E3 ubiquitin-protein ligase which regulates the IFN-beta production and antiviral response downstream of various DNA-encoded pattern-recognition receptors (PRRs). Promotes nuclear IRF3 ubiquitination and proteasomal degradation. Bridges together TBK1 and NEMO during the innate response to viral infection leading to the activation of TBK1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230457