

Product datasheet for **MR230145**

Trim11 (NM_001290988) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim11 (NM_001290988) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230145 representing NM_001290988
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCCCCAGACTTGTCCACCAACCTCCAGGAGGAGGCCACCTGCGCCATCTGCCTGGATTACTTCA
 CCGACCCGGTGATGACCGACTGCGGCCACAACCTCTGCCGCGAGTGCATCCGACGTTGCTGGGGCCAGCC
 CGAGGGCCCATACGCGTGCCCGGAGTGTGCGGAGCTGTCGCGCAGAGGAACCTACGGCCCAACGCCCG
 CTCGCCAAAATGGCAGAAATGGCAGCAGCCTGCACCCGCCTTCTCCGGTCCCGCAGGGCGTCTGTGCGG
 CGCACC CGAGCCGCTGACCACCTTCTGCGGCGACGACCTCAGCCTGCTGTGCCCATCTGCGAGCGTTC
 GGAGCACTGGACTCACCGGGTGAGACCGCTGCAGGAGGCGGGACGACCTCAAGGGGAGGCTGGAGAAG
 TCACTGGAGCACCTACGAAACAAATGGAGGACGCAATGCTGTTCCAAGCCAGGCTGAGGAAACCTGTG
 CCTTGTGGCAGAAGATGGTGGAGAGCCAGCGGCAAGTGTGCTGGGCGAGTTGAGAGGCTGCGCCGCT
 GTTGGCAGAGGAGGAGCAACAGCTGCTGCAAGAAGCTGGAGGAGGAAGAGCTGGAGTTCTGCCGCGCTG
 CGTGAAGGCGCTGCGAGGCTTGCCAGCAAAGCACGACGCTGGCAGCCCTCATCTCCGAGCTTGAGAGCC
 GCTGCCAGCTGCCAGCCCTGGGTTTACTGCAGCTCTGCATTGAGTGTGCGCCCTGGAGAGAGAAGCGTC
 TATAGCCAAGGACATTAAGGACGCCCTGTGAGGGTGCAGGATGTGAAGTGCAGCCTCCAGCAGTGGT
 CCCATGGAGCTGAGGACCGTGTGCCGGTCCCAGGGCTGGTGGAGACCTGCGGAGGTTCCGAGGGGACA
 TAACCTGGACCCAGACACCGCAACCTGAGCTGGTCTTATCTGAGGACCGGAGGATGTGCAGCGTGG
 TGAACAGCGGCAGGCCCTGCCTGACAACCCAGAGCGGTCGACCCCGCCCTTGGTGTGGGCCAGGAG
 CGCATTACCTTGGCCGCACTACTGGAGGTGGAAGTCGGGGACCAGACCAGCTGGGCACTCGGCGTGT
 GTAAGAAACTGCCAACAGGAAGGAGAAGGGGGAGCTGTCGGCTGGCAATGGGTTCTGGATCTGGTGT
 CCTGGGAGTTTCTATAATTCCAATGAGCCGGCCTTCTCCCACTGCGGGACCCTCCAAGCGTGTGGGG
 ATTTTTCTGGACTATGAAGCTGGCCATCTCTATTCTACAGTGCACGGATGGTTCGCTGCTGTTTATCT
 TCCCCGAGACCTGTTCTCAGGGACACTCCGGCCCTTCTCTACCTCTGTCAAGCAGCCGACCCTAT
 GACTATCTGCAGGCTGATAGGTGATCTGGGGACACCCTTGCCCGCAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

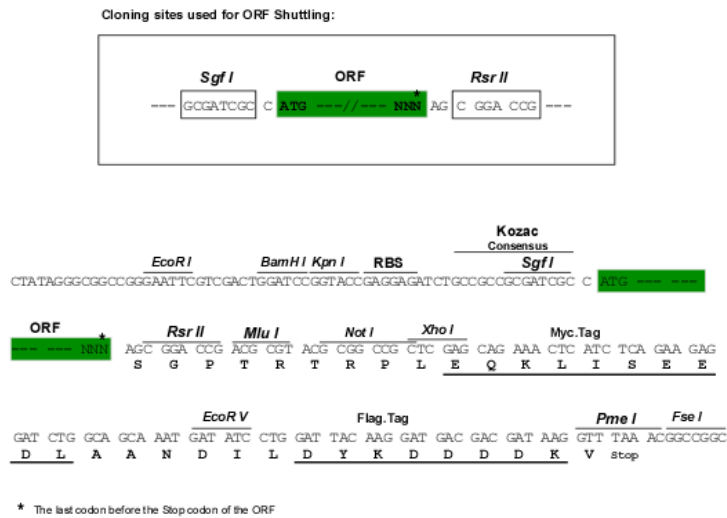
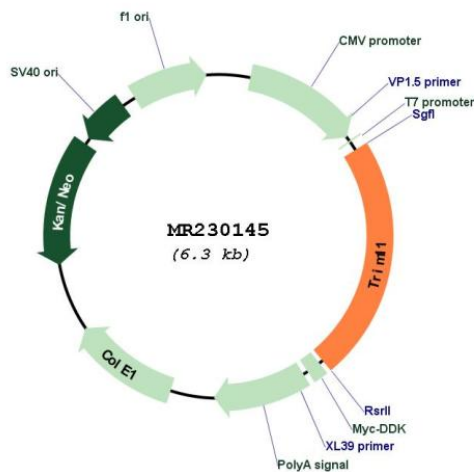
>MR230145 representing NM_001290988
 Red=Cloning site Green=Tags(s)

MAAPDLSTNLQEEATCAICLDYFTDPVMTDCGHNFCRECIIRRCWQPEGPYACPECRELSAQRNLRPNRP
 LAKMAEMARRLHPPSPVPQGVCAAHREPLTTFCGDDL SLLCPICERSEHWTHRVRPLQEAADDLKGRLK
 SLEHLRKQMEDAMLFQAQAEETCALWQKMVESQRQNVLGEFERLRLLAEEEEQLLQKLEEEELVLPRL
 REGAARLQQSTQLAALISELESRCQLPALGLLQLCIECCALEREASIAKDIDALCRVQDVKLQPPAVV
 PMELRTVCRVPGLVETLRRFRGDITLDPDTANPELVLSERRSVQRGEQRQALPDNPERFDPGPCVLGQE
 RITSGRHYWEVEVDQTSWALGVCKETANRKEK GEL SAGNGFWILVFLG SFYNSNEPAF SPLRDP PPKRVG
 IFLDYEAGHLSFYSATDGSLLFIFPETLFSGLTRPLFSPLSSSPTPMTICRLIGVSGDTLGPQ

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Plasmid Map:


ACCN: NM_001290988

ORF Size: 1449 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_001290988.1 , NP_001277917.1
RefSeq Size:	2327 bp
RefSeq ORF:	1452 bp
Locus ID:	94091
UniProt ID:	Q99PQ2
Cytogenetics:	11 B1.3
MW:	54.8 kDa
Gene Summary:	<p>E3 ubiquitin-protein ligase that promotes the degradation of insoluble ubiquitinated proteins, including insoluble PAX6, poly-Gln repeat expanded HTT and poly-Ala repeat expanded ARX. Mediates PAX6 ubiquitination leading to proteasomal degradation, thereby modulating cortical neurogenesis. May also inhibit PAX6 transcriptional activity, possibly in part by preventing the binding of PAX6 to its consensus sequences. May contribute to the regulation of the intracellular level of HN (humanin) or HN-containing proteins through the proteasomal degradation pathway. Mediates MED15 ubiquitination leading to proteasomal degradation. May contribute to the innate restriction of retroviruses. Upon overexpression, reduces HIV-1 and murine leukemia virus infectivity, by suppressing viral gene expression. Antiviral activity depends on a functional E3 ubiquitin-protein ligase domain. May regulate TRIM5 turnover via the proteasome pathway, thus counteracting the TRIM5-mediated cross-species restriction of retroviral infection at early stages of the retroviral life cycle.[UniProtKB/Swiss-Prot Function]</p>