

Product datasheet for **MR210329**

Trim36 (NM_178872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim36 (NM_178872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim36
Synonyms:	D18Wsu100e; haprin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210329 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGAATCAGAGGAGATAAGTGAATTTGGCTACATTATGGAATTGCTTGCCAAGGGCAAGTGACTA
 TTAAGAATATCGAAAAGGAGCTTATTTGCCAGGTGCAAGGAGCTGTTACCCACCCGCTGATCCTTCC
 CTGCCAGCACAGCGTCTGTCAAGTGTGTGAAAGAACTTTACTGTCTCTTGATGACTCGTTCAATGAT
 GTGGCGTCAGACAGCTCAAATCAGAGCAGCCCTAGGCTCCGGCTCACCTCCCCTAGCATGGATAAAATCG
 ACAAGATTAACAGACCAGGCTGGAAGCGTAATTCAGTACCCCGAGACCAACCACGTTCCCTTGTCTGG
 CTGTGAACATGATGTGGATCTTGGAGAGCGAGGAGTCACTGGTCTGTTTCGAAATTTCACTTTGAAACG
 ATTGTCGAGAGATACCGGCAGGCCGCTAGGGCAGCCACAGCCATTATGTGTGACCTTTGAAACCTCCAC
 CCCAGGAATCTACAAAGAGCTGCATGGATTGTAGTGAAGCTACTGCAATGAATGCTTCAAATTTATCA
 TCCCTGGGGCAGTGTAAAAGCCAGCATGAGTATGTGGGCCCCACCACTAATTTTCAGACCAAGGTTCTA
 ATGTGCCCAGAACATGAGACAGAGAGAATAAATCATGTACTGTGAACTATGCAGAAGGCCAGTTTGCCACC
 TCTGTAAGTTGGGTGGGAATCATTCCAATCACCGGTAACCACTGAGCAGTGCCTACAAAACCTTAA
 GGAGAACTTTCAAAGACATTGATTTCTTATTGGCAAGGAAAGCCAGGTGAAGAGTCAAATTTCTGAA
 CTAACCTTGCTAATGAAAGAGACAGAGTGAACGGAGAGAGGGCGAAGGAAGAAGCGCTGGCGCATTTTG
 AAAAGCTCTTTGAAATCCTGGAAGACAGGAAGTCTGTTCTGAAAGCCATAGATGCCTCTAAGAACT
 AAGACTAGACAAGTTTCACTCAGATGGAAGAGTACCAAGGCCTTCTAGAGAATAACGGGCTCGTGGGG
 TATGCTCAGGAAGTCTGAAGGAGACGGATCAGTCTTGTCTTGTGCAGACGGCGAAGCAGCTCCATCTCA
 GAATACAGAAAAGCTACGGAGTCCCTGAAGAGCTTGTAGACCTGCAGCCAGGCTTCTTTGAAAGACTATGT
 TGTTAACATATCGAAACAAACAGAGGTGCTTGGAGAGTTGCTCTTTTCCAGTGGCATAGACATTCTCT
 GAGATCAACGAGGAACAGAGTAAAGTGTATAATAACGCCTTGATAGACTGGCATCATCCAGAAAAGGACA
 AAGCCGACAGCTATGTTCTAGAATACCGCAAGATTAATAGAGACGAAGAAATGATATCATGGAATGAGAT
 AGAAGTTCACGGCACAAGTAAAGTTGTCTCCAACCTTGAAAGCAACAGTCCCTATGCGTTCGAGTGAGA
 GCTTACAGGGTTCTATCTGCAGTCCCTGCAGCAGAGAATTGATCCTGCATACTCCTCCAGCTCCAGTTT
 TCAGTTTCTGTTTCGATGAGAAGTGTGGCTACAACACTGAGCACCTTGTGCTGAACCTGAAGAGAGACCG
 GGTGGAGAGCAGAGCTGGATTTAACGTCTCCTGGCTGCGGAGCGCATCCAAGTGGGCCATTACACAAGC
 TTAGACTACATCATCGGGATGTGCGAGTACGAAAGGTAAACACTTCTGGGCCTGCCGCTGGAACCGT
 ATTCATACCTGGTGAAAGTGGGAGTTGCTTCCAGCGACAAACTGCAAGAGTGGCTGCGCTCTCCCGGAGA
 TGCAGCTAGTCCAAGATATGAGCAAGACAGTGGACATGACAGTGAAGCGAGGACGCCTGTTTTGATTCT
 TCACAGCCCTTACATTAGTTACTATAGGCATGAAGAAATTTTTATACCCAAGTCACTACTTCTCTCTA
 ATGAACCAGAAAACAGAGTTCTCCCAATGCCAACGAGTATAGGGATTTTCTTACTGTGATAAAGGCAA
 AGTGAGCTTCTATGATATGGACCACATGAAATGCCTGTATGAGCGCCAGGTGGACTGTTTCGCATACAATG
 TATCCGGCCTTTGCCTTGTATGGCAGCGGAGGAATTCAGCTTGTGGAAGCCATCACAGCAAAGTATCTGG
 AATATGAAGAGGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210329 protein sequence
Red=Cloning site Green=Tags(s)

MSESEEISEFGYIMELLAKGKVTIKNIEKELICPACKELFTHPLILPCQHSVCHKCVKELLLSLDDSFND
 VASDSSNQSSPRLRLTSPSMDKIDKINRPGWKRNSLTPRPTTFPCPGCEHDVDLGERGVSGLFRNFLET
 IVERYRQAARAATAIMCDLCKPPPQESTKSCMDCSASYCNECFKIYHPWGTVKAQHEYVGPTTNFRPKVL
 MCPHEHETERINMYCELRRPVCHLCKLGGNHSNHRVTTMSSAYKTLKEKLSKDIDFLIGKESQVKSQISE
 LNLLMKETECNGERAKEEALAHFEKLFELDRKSSVLKAIKASKLRLDKFHTQMEEYQGLLENGLVG
 YAQEVKQETDQSCFVQTAQLHLRIQKATESLKSFRPAAQASFEDYVVNIQKQTEVLGELSSFGIDIP
 EINEEQSKVYNNALIDWHHPEKDKADSYVLEYRKINRDEEMISWNEIEVHGTSKVVSNLESNSPYAFRVR
 AYRGSICSPSRELILHTPPAPVFSFLFDEKCGYNTHELLLLNLKRDRVESRAGFNLLAAERIQVGHYTS
 LDYIIGDVGVTGKGFHWACRVEPYSYLKVGVAASDKLQEWLRSRDAASPRYEQDQSGHDSGSEDACFDS
 SQPFTLVITGMKKFFIPKSPSSNEPENRVLPMPTSIGIFLDCDKGKVSFYDMDHMKCLYERQVDCSHTM
 YPAFALMGSGGIQLEEAITAKYLEEEDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178872

ORF Size: 2190 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_178872.4](#), [NP_849203.2](#)

RefSeq Size: 4556 bp

RefSeq ORF: 2190 bp

Locus ID: 28105

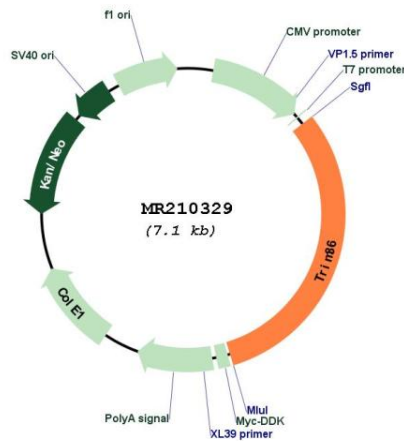
UniProt ID: [Q80WG7](#)

Cytogenetics: 18 24.41 cM

MW: 82.8 kDa

Gene Summary: E3 ubiquitin-protein ligase which mediates ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:19232519). Involved in chromosome segregation and cell cycle regulation (PubMed:19232519). May play a role in the acrosome reaction and fertilization (PubMed:12917430).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210329