

Product datasheet for **MG216685**

Trim36 (NM_001170855) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim36 (NM_001170855) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trim36
Synonyms:	D18Wsu100e; haprin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216685 representing NM_001170855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGGATGCCTCAGACTCTCAGGTGACTATTAAGAATATCGAAAAGGAGCTTATTTGCCAGCGT
 GCAAGGAGCTGTTTACCCACCCGCTGATCCTTCCCTGCCAGCACAGCGTCTGTATAAGTGTGTGAAAGA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

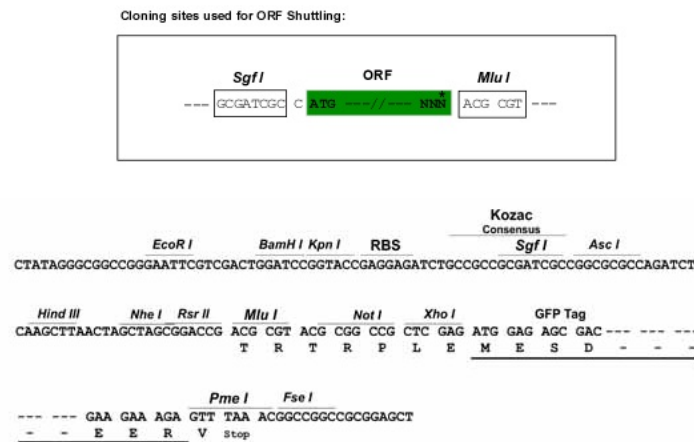
Protein Sequence: >MG216685 representing NM_001170855
 Red=Cloning site Green=Tags(s)

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LRLTSPSMDKIDKINRPGWKRNSLTPRPTTFPCPGCEHDVDLGERGV SGLFRNFTLETIVERYRQAARAA
TAIMCDLCKPPPQESTKSCMDCSASYCNECFKIYHPWGTVKAQHEVVGPTT NFRPKVLMCPETHERINM
YCEL CRRPVCHLCKLGGNHSNHRVTTMSSAYKTLKEKLSKDIDFLIGKESQVKSQISELNLLMKETECNG
ERAKEEALAHFEKLF EILED RKSSVLK AIDASKKLRLDKFHTQ MEEYQGLLENGLVGYAQEVLKETDQS
CFVQTAKQLHLRIQKATESLKSFRPAAQASFEDYVYVNI SKQTEVLGEL SFFSSGIDIPEINEEQSKVYNN
ALIDWHHPKDKADSYVLE YRKINRDEEMISWNEIEVHGT SKVVSNL ESNSPYAFRV RAYRGSICSPCSR
ELILHTPPAPVFSFLFDEKCGYNT EHL LNLKRDRVESRAGFNLLAAERI QVGHYTSLDYIIGDVGVTK
GKHFWACRV EPYSYLKVG VASSDKLQEWLRSRDAASPRYEQDSG HDSGSEDACFDSSQPFTLVITIGMK
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QLEEAITAKYLEEEDV
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170855

ORF Size: 2151 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_001170855.1](#), [NP_001164326.1](#)

RefSeq Size: 4555 bp

RefSeq ORF: 2154 bp

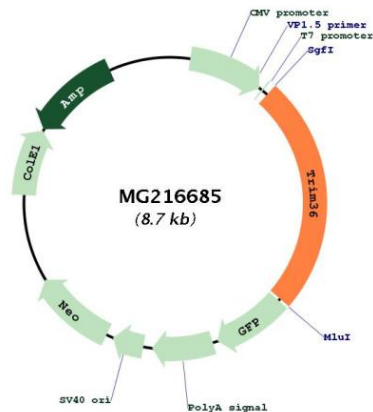
Locus ID: 28105

UniProt ID: [Q80WG7](#)

Cytogenetics: 18 24.41 cM

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 MG216685