

Product datasheet for **MR231038**

Trim3 (NM_001285870) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim3 (NM_001285870) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim3
Synonyms:	BERP1; HAC1; Rnf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR231038 representing NM_001285870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAAGAGGGAGGACAGCCCTGGCCGGAGGTGCAGCCAATGGACAAGCAGTTTCTGGTATGCAGTA
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 GAACTACATCCCTCCTCAGAGCCTGACACTGTCCTGTCCAGTGTGCCGGCAGACATCCATCCTCCAGAA
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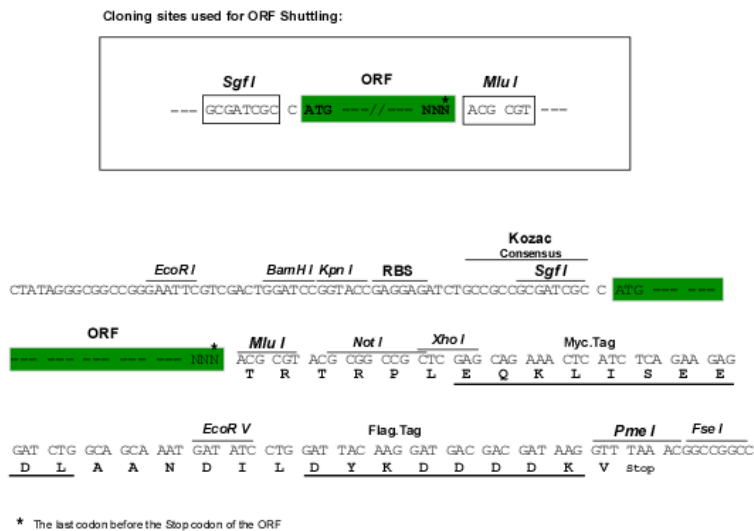
Protein Sequence: >MR231038 representing NM_001285870
Red=Cloning site Green=Tags(s)

MAKREDSPGPEVQPMQKQFLVCSICLDYRCPKVLPC LH TFCERCLQNYIPPQSL TL SCPVCRQTSILPE
 QGVSALQNNFFISSLMEAMQQAPEGAHPDPHPL SAVAGRPL SCPNHEGKTM EYCEACETAMCGECRA
 GEHREHGTVLLRDVVEQHKAAALQRQLEAVRGRLPQLSAAIALVGGISQQLQERKAEALAQISAAFEDELEQ
 ALQQRKQALVSDLESICGAKQKVLQTQLD LTRQGEHIGSSCSFAEQALRLGSAPEVLLVRKHMRLERLAA
 LAAQAFPERPHENAQLELVLEVDGLRRSVLNLGALLTTSATAHETVATGEGLRQALVGQPASLTVTTKDK
 DGRLVRTGSAELCAEITGPDGVRLAVPVVDHKNGT YELVYTARTEGDL LLSVLLYQGPVGRSPFRVRLR
 PGDLPPSPDDVKRRVKSPGGPGSHVRQKAVRRPSSMYSTGGKRKNPIEDELVFRVGRGREKGEFTNLQ
 GVSAASSGRIVVADSNNQCIQVFSNEGQFKFRFGVGRSPGQLQRPTGVAVDTNGDIIVADYDNRWVSIF
 SPEGKFKTKIGAGRLMGPKGVAVDRNGHIIVVDNKSCCVTFQPNGKLVGRFGGRGATDRHFAGPHFVAV
 NKNKNEIVVDFHNHNSVKVVSADGEFLFKFGSHGEGNGQFNAPTGVAVDSNGNIIIVADWGNRIQVFDSSG
 SFLSYINTSAEPLYGPQGLALTSDGHVVADAGNHCFKAYRYLQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001285870

ORF Size: 2232 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_001285870.1](#), [NP_001272799.1](#)

RefSeq Size: 2892 bp

RefSeq ORF: 2235 bp

Locus ID: 55992

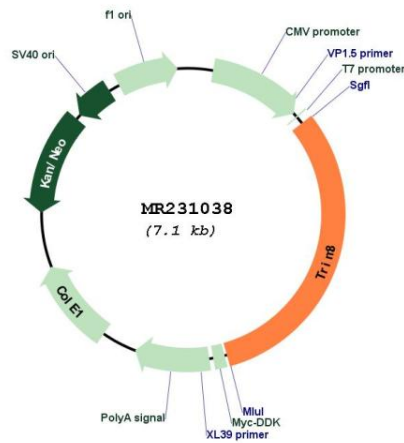
UniProt ID: [Q9R1R2](#)

Cytogenetics: 7 E3

MW: 80.8 kDa

Gene Summary: Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation (By similarity). Positively regulates motility of microtubule-dependent motor protein KIF21B (PubMed:24086586).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231038