

Product datasheet for **MC228828**

Trim3 (NM_001285871) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim3 (NM_001285871) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228828 representing NM_001285871
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAAGAGGGAGGACAGCCCTGGCCGGAGGTGCAGCCAATGGACAAGCAGTTTCTGGTATGCAGTA
 TCTGTCTGGATCCGTACCGGTGCCCAAAGTTCTGCCTTGTCTACATACCTTCTGTGAAAGATGCCTCCA
 GAACTACATCCCTCCTCAGAGCCTGACACTGTCCTGTCCAGTGTCCGGCAGACATCCATCCTCCCAGAA
 CAGGGCGTCTCAGCCCTACAAAACAACCTTCTTATCAGCAGCCTCATGGAGGCCATGCAGCAGGCACCTG
 AGGGGGCTCATGACCCTGAAGACCCCCACCCCTCAGCGCAGTGGCTGGCCGCCCTCTCTCTGCCCAA
 CCATGAAGGCAAGACAATGGAGTTTACTGTGAGGCCTGTGAGACTGCCATGTGTGGTGAAGTCCGCGCA
 GGGGAGCACCGTGAACACGGCACAGTGTGTCGGGATGTGGTGGAGCAGCACAAGGCAGCTCTGCAGC
 GCCAGCTTGAGGCTGTGCTGGCCGATTGCCACAGCTGTCTGCAGCTATCGCCTTGGTTGGGGGTATCAG
 CCAGCAGCTGCAAGAGCGCAAGGCAGAGCCCTGGCTCAGATAAGTGCTGCCTTTGAGGACCTGGAGCAA
 GCTCTGCAGCAGCGCAAGCAGGCTCTGGTCAGCGACTTGAGAGCATTTGTGGGGCCAAACAGAAGGTGT
 TGCAGACACAGTTAGACACACTGCGCCAGGGCCAGGAGCATTGGCAGTAGCTGCAGCTTTGCAGAGCA
 GGCACTGAGACTGGGCTCTGCCCTGAGGTTTTGCTAGTAAGAAAGCATAATGCGAGAGAGGCTGGCTGT
 CTGGCAGCTCAGGCCCTCCAGAAAGGCCACATGAGAAATGCCAGCTGGAAGTGGTCTTGAAGTGGACG
 GGTTGCGGAGATCGGTGCTCAACTGGGGGCACTGCTCACCACCAGTGTACAGCCCATGAGACAGTGGC
 CACGGGCGAGGGCCTGCCACAGGCACTAGTTGGCCAGCCTGCTTCTCTACTGTACCACCAAAGACAAA
 GATGGGCGGCTGGTGCACAGGCAGCGCAGAGCTGTGTGCAGAGACTACTGGCCCGATGGTGTGCGCC
 TTGCAGTACCGGTGGTGGACCACAAAAATGGCACATACGAGCTGGTGTACTACTGCACGACAGAAGGTGA
 CCTGCTCCTCTCAGTGTCTCTATGGACAGCCGGTGCCTGGCAGCCCTTTTCGTGTGCGTGCCTTCGA
 CCTGGGGACCTGCCACCTTCCCCAGATGATGTGAAGCGCCGGTCAAGTCTCCCGTGGTCTGGCAGTC
 ATGTGCGCCAGAAGGCAGTTCGTAGGCCGAGCTCCATGTACAGCACTGGTGGCAAACGGAAGGACAATCC
 AATTGAAGACGAACTCGTCTTTCGTGTTGGTAGCTGGAAGGGAGAAGGGTGAATTCACCAATTTACAA
 GGTGTGTCGCTGCTAGCAGTGGCCGATCGTGGTAGCAGACAGCAACAACCAATGTATTAGGTTTTCT
 CCAATGAGGGCCAGTTCAAGTTCGATTTGGGGTCCGTGGGCGCTCACCTGGGCAACTACAGCGTCTAC
 AGGTGTGGCAGTGGACACCAATGGAGACATTATTGTGGCAGACTATGACAACCGTTGGGTGAGCATCTC
 TCTCTGAAGGCAAGTTCAAGACCAAGATTGGAGCTGGCCGCTCATGGGACCAAGGGAGTGGCTGTGG
 ACCGAAATGGACATATCATTGTGGTGGATAACAAATCTTGCTGTGCTTACCTTCCAGCCCAATGGCAA
 GCTTGTGGGCGTTTTGGAGGCCGTGGGGCCACTGACCGCCACTTTGCAGGGCCCACTTTGTGGCTGTG
 AACAAAGAAGATGAGATTGTAGTAACGGATTTCCATAACCATTAGTGAAGGTGTACAGTGTGACGGAG
 AGTTCTCTTCAAATTTGGCTCGCATGGCGAGGGCAACGGACAGTTCAATGCCCCACGGGAGTAGCTGT
 GGATCCAATGGGAACATCATCGTGGCCGACTGGGGCAACAGCCGCATACAGGTATTTCGACAGCTCTGGT
 TCCTTCTGTCTATATCAACACGTCTGCAGAGCCACTATATGGCCACAGGGCTTGGCATTGACCTCGG
 ATGGCCACGTGGTAGTGGCTGATGCTGGCAACCACTGCTTAAAGGCCTATCGATACCTCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285871

Insert Size: 2235 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285871.1</u> , <u>NP_001272800.1</u>
RefSeq Size:	3077 bp
RefSeq ORF:	2235 bp
Locus ID:	55992
UniProt ID:	<u>Q9R1R2</u>
Cytogenetics:	7 E3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and uses an alternate in-frame splice junction compared to variant 5. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform c. Variants 1, 2, and 3 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>