

Product datasheet for **RG201285**

TRIP13 (NM_004237) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP13 (NM_004237) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIP13
Synonyms:	16E1BP; MVA3; OOMD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201285 representing NM_004237 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGAGGCCGTGGGCGACCTGAAGCAGGCGCTTCCCTGTGTGGCCGAGTCGCCAACGGTCCACGTGG
AGGTGCATCAGCGCGGCAGCAGCACTGCAAAGAAAGAAGACATAAACCTGAGTGTAGAAAGCTACTCAA
CAGACATAATATTGTGTTGGTGATTACACATGGACTGAGTTTGATGAACCTTTTTGACCAGAAATGTG
CAGTCTGTGTCTATTATTGACACAGAATTAAGGTTAAAGACTCACAGCCATCGATTTGAGTGCATGCA
CTGTTGCACTTACATTTCCAGCTGAATGAAGATGGCCCGAGCAGTAAAATCTGGAGGAAGAGACAGA
AAACATAATTGCAGCAAATCACTGGGTTCTACCTGCAGCTGAATTCATGGGCTTTGGGACAGCTTGGTA
TACGATGTGGAAGTCAAATCCCATCTCCTCGATTATGTGATGACAACCTTACTGTTTTGACACAAGAACG
TCAACAGCAACCTCATCACCTGGAACCGGGTGGTGTCTCCACGGTCTCCTGGCACTGGAAAAACATC
CCTGTGTAAGCGTTAGCCAGAAATTGACAATTAGACTTTCAAGCAGGTACCGATATGGCAATTAATT
GAAATAAACAGCCACAGCCTCTTTCTAAGTGGTTTTCGAAAGTGGCAAGCTGGTAACCAAGATGTTTC
AGAAGATTCAGGATTTGATTGATGATAAAGACGCCCTGGTGTTCGTGCTGATTGATGAGGTGGAGAGTCT
CACAGCCGCCGAAATGCCTGCAGGGCGGGCACCAGCCATCAGATGCCATCCGCGTGGTCAATGCTGTC
TTGACCCAAATTGATCAGATTAAGGCAATCCAATGTTGTGATTCTGACCACTTAACATCACCGAGA
AGATCGACGTGGCCTTCGTGGACAGGGCTGACATCAAGCAGTACATTGGGCCACCCTCTGCAGCAGCCAT
CTTCAAATCTACCTCTCTTGTGGTGAAGAACTGATGAAGTGTGATGATATACCTCGCCAGCAGCTG
CTGACCCTCCGAGAGCTAGAGATGATTGGCTTCATTGAAAACAACGTGTCAAATGAGCCTTCTTTTGA
ATGACATTTCAAGGAAGAGCGAGGGCCTCAGCGGCCGGTCTGAGAAAACCTCCCCTTCTGGCTCATGC
GCTGTATGTCCAGGCCCCACCCTACCATAGAGGGGTTCTCCAGGCCCTGTCTCTGGCAGTGGACAAG
CAGTTTGAAGAGAGAAAGAAGCTTGCAGCTTACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201285 representing NM_004237
 Red=Cloning site Green=Tags(s)

MDEAVGDLKQALPCVAESPTVHVEVHQRSSTAKKEDINLSVRKLLNRHNIVFGDYTWTEFDEPFLTRNV
 QSVSIIDTELKVKDSQPIDLSACTVALHIFQLNEDGPSSNLEETENIIAANHWWLPAAEFHGLWDSL
 YDVEVKSHLLDYVMTLLFSDKNVNSNLI TWNRVVLLHGPPGTGKTS LCKALAQKLTIRLSSRYRYGQLI
 EINSLSLF SKWFS ESGKLVTKMFQKIQDLIDDKDALVFVLI DEVESLTAARNACRAGTEPSDAIRVVNAV
 LTQIDQIKRHSNVVILTTSNITEKIDVAFVDRADIKQYIGPPSAAAIFKILYLSCLEELMKCQIIYPRQL
 LTLRELEMIGFIENNVSKLSLLLNDISRKSEGLSGRVLRLKLPFLAHALYVQAPTVTIEGFLQALSLAVDK
 QFEERKLAAYI

TRTRPLE – GFP Tag – V

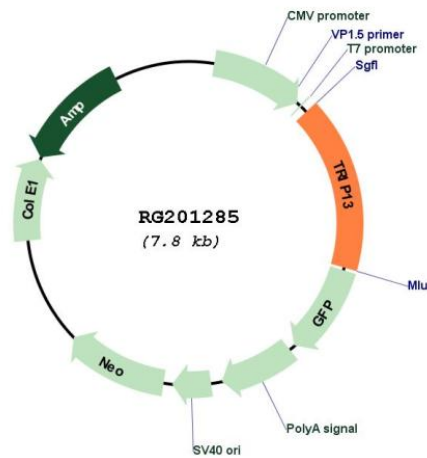
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_004237

ORF Size:	1296 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_004237.4
RefSeq Size:	2372 bp
RefSeq ORF:	1299 bp
Locus ID:	9319
UniProt ID:	Q15645
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Gene Summary:	This gene encodes a protein that interacts with thyroid hormone receptors, also known as hormone-dependent transcription factors. The gene product interacts specifically with the ligand binding domain. This gene is one of several that may play a role in early-stage non-small cell lung cancer. [provided by RefSeq, Oct 2009]