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Product datasheet for RC228224

TRIP13 (NM_001166260) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP13 (NM_001166260) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIP13
Synonyms:	16E1BP; MVA3; OOMD9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC228224 representing NM_001166260
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGAGGCCGTGGGCGACCTGAAGCAGGCGCTTCCCTGTGTGGCCGAGTCGCCAACGGTCCACGTGG
AGGTGCATCAGCGCGGCAGCAGCACTGCAAAGAAAGAAGACATAAACCTGAGTGTTAGAAAGCTACTCAA
CAGACATAATATTGTGTTTGGTGATTACACATGGACTGAGTTTGATGAACCTTTTTTGACCAGAAATGTG
CAGTCTGTGTCTATTATTGACACAGAATTAAAGGTTAAAGACTCACAGCCCATCGATTTGAGTGCATGCA
CTGTTGCACTTCACATTTTCCAGCTGAATGAAGATGGCCCCAGCAGTGAAAATCTGGAGGAAGAGACAGA
AAACATAATTGCAGCAAATCACTGGGTTCTACCTGCAGCTGAATTCCATGGGCTTTGGGACAGCTTGGTA
TACGATGTGGAAGTCAAATCCCATCTCCTCGATTATGTGATGACAACTTTACTGTTTTCAGACAAGAACG
TCAACAGCAACCTCATCACCTGGAACCGGGTGGTGCTGCTCCACGGTCCTCCTGGCACTGGAAAAACATC
CCTGTGTAAAGCGTTAGCCCAGAAATTGACAATTAGACTTTCAAGCAGGTACCGATATGGCCAATTAATT
GAAATAAACAGCCACAGCCTCTTTTCTAAGTGGTTTTCGGAAAGTGGCAAGCTGGTAACCAAGATGTTTC
AGAAGATTCAGGATTTGATTGATGATAAAGACGCCCTGGTGTTCGTGCTGATTGATGAGGTGGAGAGTCT
CACAGCCGCCCGAAATGCCTGCAGGGCGGGCACCGAGCCATCAGATGCCATCCGCGTGGTCAATGCTGTC
TTGACCCAAATTGATCAGATTAAAAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC228224 representing NM_001166260
Red=Cloning site Green=Tags(s)

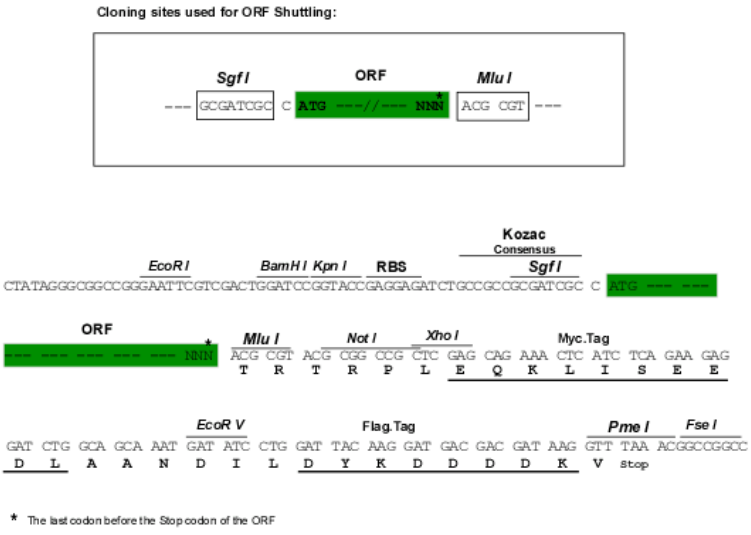
MDEAVGDLKQALPCVAESPTVHVEVHQRGSSTAKKEDINLSVRKLLNRHNIVFGDYTWTEFDEPFLTRNV
QSVSIIDTELKVKDSQPIDLSACTVALHIFQLNEDGPSSENLEEETENIIAANHWVLPAAEFHGLWDSLV
YDVEVKSHLLDYVMTTLLFSDKNVNSNLITWNRVVLLHGPPGTGKTSLCKALAQKLTIRLSSRYRYGQLI
EINSHSLFSKWFSESGKLVTKMFQKIQDLIDDKDALVFVLIDEVESLTAARNACRAGTEPSDAIRVVNAV
LTQIDQIKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166260

ORF Size: 867 bp

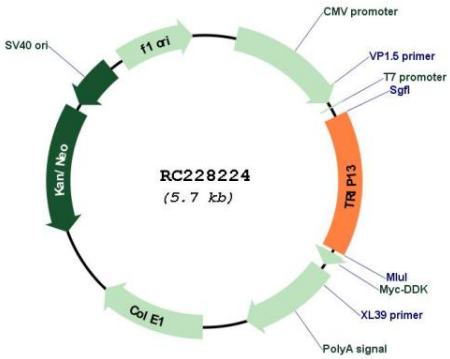
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

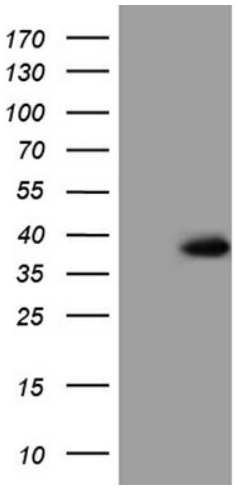
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001166260.2
RefSeq ORF:	870 bp
Locus ID:	9319
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	32.3 kDa
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]

Product images:



Circular map for RC228224



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRIP13 (Cat# RC228224, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRIP13 (Cat# [TA809737])(1:2000).