

Product datasheet for **RC205670**

ZNHIT1 (NM_006349) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNHIT1 (NM_006349) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNHIT1
Synonyms: CG1I; ZNFN4A1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205670 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGGAGAAGAAAACCTTCGGTTCGCTCCCAGGACCCCGGCAGCGCGGGTGTGGACCGGGCTGCC
GGCAGCGTCGCATCAACCGGCAGCTGGAGGCCCTGGAGAATGACAACCTCCAGGATGACCCACCGGG
ACTCCCTCAGCTCGCAAGAGACTGCCTCAGTTTGATGACGATGCGGACACTGAAAGAAAAGAAGAAA
ACCGGAGTGATCATTTAACTTCGCTCCGAAAAAATTTAGGCCCTGTTGGAGGAGCAGAACTTGA
GTGTGGCCGAGGGCCCTAACTACCTGACGGCCTGTGCGGGACCCCATCGCGGCCAGCGCCCTCTG
TGCTGTCTGTGGCTTCCATCCCCTACACCTGTGTGAGCTGCGGTGCCGGTACTGCACCTGTGCGCTGT
CTGGGGACCCACCAGGAGACCAGGTGTCTGAAGTGGACTGTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205670 protein sequence
Red=Cloning site Green=Tags(s)
MVEKKTSVRSQDPGQRRVLDRAARQRRINRQLEALELNDNFQDDPHAGLPQLGKRLPQFDDADTGKKKK
TRGDHFKLRFKRFQALLEEQNLSVAEGPNYL TACAGPPSRPQRPFCVCGFPSPYTCVSCGARYCTVRC
LGTHQETRCLKWTV

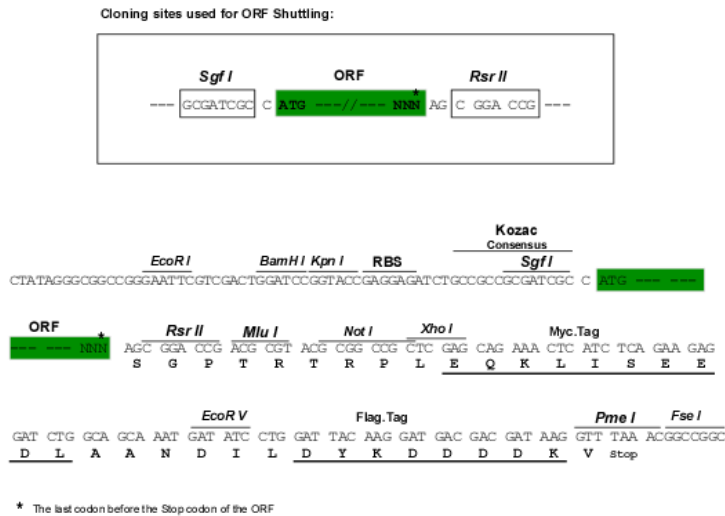
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6615_a06.zip



Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_006349

ORF Size: 462 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_006349.3](#)

RefSeq Size: 1208 bp

RefSeq ORF: 465 bp

Locus ID: 10467

UniProt ID: [O43257](#)

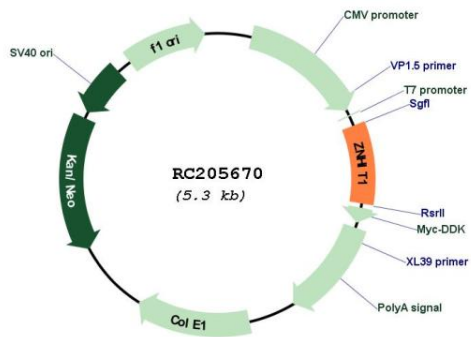
Cytogenetics: 7q22.1

Domains: zf-HIT

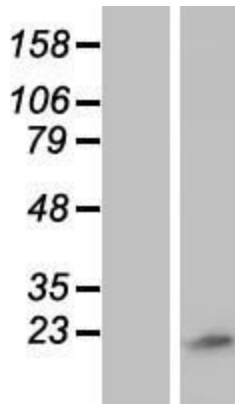
MW: 17.5 kDa

Gene Summary: Seems to play a role in p53-mediated apoptosis induction. Binds to NR1D2 and relieves it of its inhibitory effect on the transcription of APOC3 without affecting its DNA-binding activity. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205670



Western blot validation of overexpression lysate (Cat# [LY416704]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205670 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).