

Product datasheet for **RG218535**

TTC36 (NM_001080441) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: TTC36
Synonyms: HBP21
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218535 representing NM_001080441
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACTCCAAATGATCAGGCAGTGCTGCAGGCCATCTTCAACCCTGACACCCATTGGAGACATTG
TTGGATTGGACCTCGGAGAGGAAGCAGAAAAGGAAGAACGAGAAGAAGATGAAGTTTCCCTCAAGCACA
GCTGGAACAGTCCAAGGCCCTGGAGCTGCAGGGGGTATGGCAGCAGAGGCTGGGGACCTCAGCACAGCC
CTGGAGAGGTTTGGCCAAGCCATCTGCCTGCTGCCTGAGAGGGCTTCAGCCTACAACAACCGTGCCAGG
CCCGGCGACTCCAGGGAGACGTGGCAGGCGCCCTGGAGGATCTGGAACGCGCGGTGGAGCTGAGCGCGG
CCGGGGCCGCGCCCGCCAGAGCTTTGTGCAGCGCGGACTCCTGGCGCGGCTGCAGGGCCGAGACGAC
GACGCCCGCAGGGACTTCGAGAGGGCGGCACGGCTGGCAGCCCTTCGCGCGGCGCCAGCTGGTGTCTGC
TCAACCCCTACGCCGCGCTGTGCAACCGCATGCTGGCCGACATGATGGGCGAGCTGCGCCGCCCGGTGA
CAGCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218535 representing NM_001080441
Red=Cloning site Green=Tags(s)

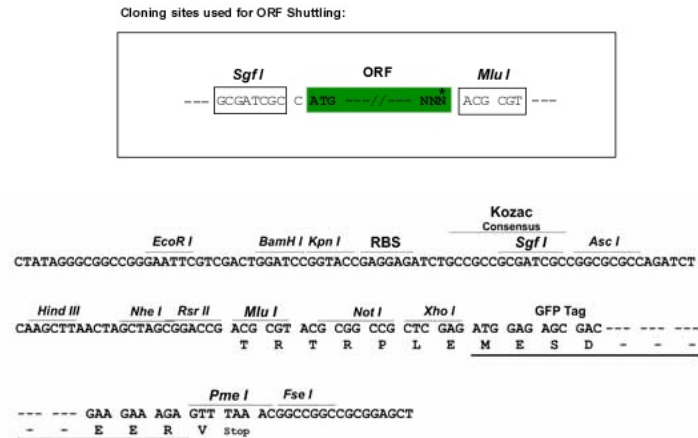
MGTPNDQAVLQAI FNPDPFPGDIVGLDLGEEAEKEEREDEVFQQAQLEQSKALELQGVMAAEAGDLSTA
LERFGQAICLLPERASAYNNRAQARRLQGDVAGALEDLERAVELSGGRGRAARQSFVQRGLLARLQGRDD
DARRDFERAARLGSPFARRQLVLLNPYAALCNRLADMMQLRRPRDSR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN:	NM_001080441
ORF Size:	567 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001080441.4
RefSeq Size:	679 bp

RefSeq ORF: 570 bp

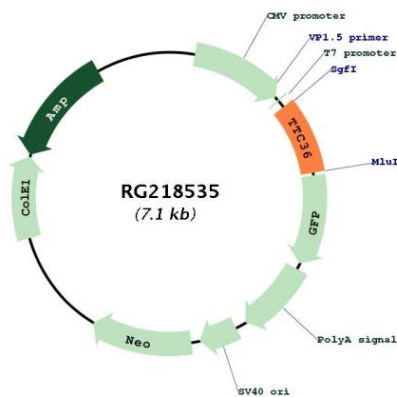
Locus ID: 143941

UniProt ID: [A6NLP5](#)

Cytogenetics: 11q23.3

Gene Summary: The protein encoded by this gene has three tetratricopeptide repeats and is a chaperone for heat shock protein 70. The encoded protein may function as a tumor suppressor in hepatocellular carcinoma (HCC) since it promotes apoptosis but is downregulated in HCC. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG218535