

Product datasheet for RC212332

TIP30 (HTATIP2) (NM_001098522) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIP30 (HTATIP2) (NM_001098522) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIP30
Synonyms:	CC3; SDR44U1; TIP30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212332 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAAACAGAAGCCCTGTCGAAGCTTCGGGAAGACTTCAGGATGCAGAATAAATCCGCTTTATTT
TGGGCGCCAGCGGAGAAACCGGCAGAGTGCTCTTAAAGGAAATCCTGGAGCAGGGCTGTTTTCCAAAGT
CACGCTCATTGGCCGGAGGAAGCTCACCTTCGACGAGGAAGCTTATAAAATGTGAATCAAGAAGTGGT
GACTTTGAAAAGTTGGATGACTACGCCTCTGCCTTCAAGGTCATGATGTTGGATTCTGTTGCCTGGGT
CCACCAGAGGGAAAGCTGGGCGGAGGGATTTGTCGTGTGACCGAGATTATGTGCTGAAGTCTGCAGA
GCTGGCAAAAGCTGGAGGTGCAACATTTCAACTTGCTATCCTCTAAAGGAGCTGATAAATCAAGCAAT
TTTTTATATCTACAAGTTAAGGGAGAAGTAGAAGCCAAGGTTGAAGAATTAATTTGATCGTTACTCTG
TATTTAGGCCTGGAGTTCTGTTATGTGATAGGCAAGAATCTCGCCAGGTGAATGGCTGGTTAGAAAGTT
CTTTGGCTCCTTACCAGACTCTTGGGCCAGGGGCATTCTGTGCCTGTGGTGACCGTGGTTAGAGCAATG
CTGAACAATGTGGTGAGACCAAGAGACAAGCAGATGGAAGTCTGGAGAACAAGGCCATCCATGACCTGG
GGAAAGCGCATGGCTCTCTCAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC212332 protein sequence
 Red=Cloning site Green=Tags(s)

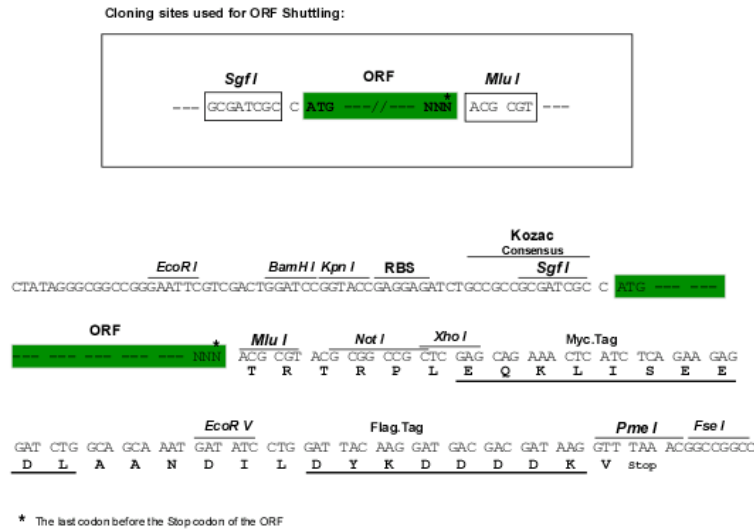
MAETEALSKLREDFRMQNKSVMILGASGETGRVLLKEILEQGLFSKVTLIGRRKLTDEEAYKNVNQEVV
 DFEKLDDYASAFQGHVDVGFCCLTGTRGKAGAEFVRVDRDYVLKSAELAKAGGCKHFNLLSSKGADKSSN
 FLYLQVKGEVEAKVEELKFDYRSVFRPGVLLCDRQESRPGEWLVRKFFGSLPDSWARGHSVPVTVVRAM
 LNNVVRPRDKQMELLENKAIHDLGKAHGSCLKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6626_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098522

ORF Size: 726 bp

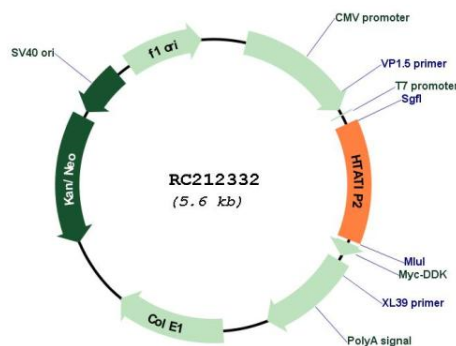
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

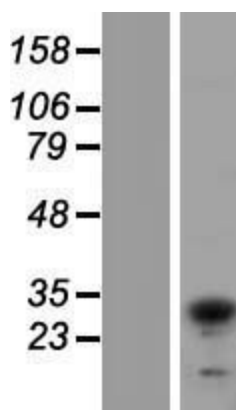
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_001098522.1, NP_001091992.1</u>
RefSeq Size:	1719 bp
RefSeq ORF:	729 bp
Locus ID:	10553
UniProt ID:	<u>Q9BUP3</u>
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome
MW:	27.1 kDa
Gene Summary:	Oxidoreductase required for tumor suppression. NADPH-bound form inhibits nuclear import by competing with nuclear import substrates for binding to a subset of nuclear transport receptors. May act as a redox sensor linked to transcription through regulation of nuclear import. Isoform 1 is a metastasis suppressor with proapoptotic as well as antiangiogenic properties. Isoform 2 has an antiapoptotic effect.[UniProtKB/Swiss-Prot Function]

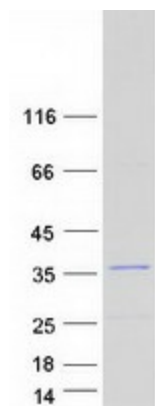
Product images:



Circular map for RC212332



Western blot validation of overexpression lysate (Cat# [LY420619]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC218604] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HTATIP2 protein (Cat# [TP312332]). The protein was produced from HEK293T cells transfected with HTATIP2 cDNA clone (Cat# RC212332) using MegaTran 2.0 (Cat# [TT210002]).