

Product datasheet for **RC200276**

TIP30 (HTATIP2) (NM_006410) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIP30 (HTATIP2) (NM_006410) 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:	>RC200276 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGGGCTGCGGCGCTGAGCGGGCGGGCGGCTGCTCTGGCGGCCCTGCTCCTGCTGCGTC
GTGAGGACCCGGGGCGGGGCTGGCCCCAGCATGGCCGAAACAGAAGCCCTGTCGAAGCTTCGGGAAGA
CTTCAGGATGCAGAATAAATCCGCTTTATTTGGGCGCCAGCGAGAAACCGGCAGAGTGCTCTTAAAG
GAAATCCTGGAGCAGGGCTGTTTCAAAGTCACGCTCATTGGCCGGAGGAAGCTCACCTTCGACGAGG
AAGCTTATAAAATGTGAATCAAGAAGTGGTGGACTTTGAAAAGTTGGATGACTACGCCTCTGCCTTTCA
AGGTCATGATGTTGGATTCTGTTGCCTGGGTACCACAGAGGGAAAGCTGGGGCGGAGGGATTTGTTTCGT
GTTGACCGAGATTATGTCTGAAGTCTGCAGAGCTGGCAAAAGCTGGAGGGTGCAAAACATTTCAACTTGC
TATCCTCTAAAGGAGCTGATAAATCAAGCAATTTTTATATCTACAAGTTAAGGGAGAAGTAGAAGCCAA
GGTTGAAGAATTAATTTGATCGTTACTCTGTATTTAGGCCTGGAGTTCTGTTATGTGATAGGCAAGAA
TCTCGCCAGGTGAATGGCTGGTTAGAAAGTCTTTGGCTCCTTACCAGACTCTTGGGCCAGGGGCATT
CTGTGCCTGTGGTGACCGTGGTTAGAGCAATGCTGAACAATGTGGTGAGACCAAGAGACAAGCAGATGGA
ACTGCTGGAGACAAGGCCATCCATGACCTGGGAAAGCGCATGGCTCTCTCAAGCCA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200276 protein sequence
 Red=Cloning site Green=Tags(s)

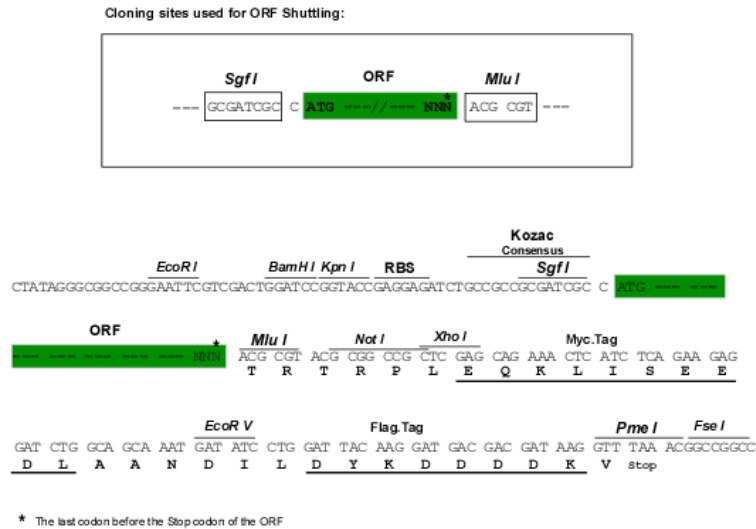
MAGPAALSAATAAALLRRDPGPAGPSMAETEALSKLREDFRMQNKSVFILGASGETGRVLLK
 EILEQGLFSKVTILGRRKLTDEEAYKNVNVQEVDFEKLDDYASAFQGHVGFCCCLGTTTRGKAGAEFVR
 VDRDYVLKSAELAKAGGCKHFNLLSSKGADKSSNFLYLQVKGEVEAKVEELKFDRYSVFRPGVLLCDRQE
 SRPGEWLVRKFFGSLPDSWARGHSPVPTVVVRAMLNNVVRPRDKQMELLENKAIHDLGKAHGSCLKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006410

ORF Size: 828 bp

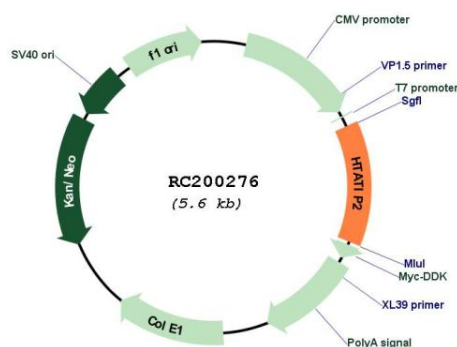
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

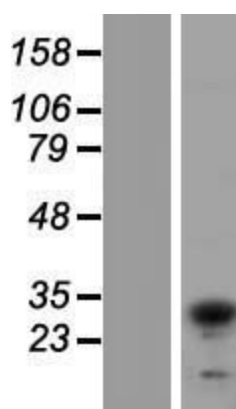
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_006410.1 , NM_006410.2 , NM_006410.3 , NM_006410.4 , NP_006401.2
RefSeq Size:	1404 bp
RefSeq ORF:	729 bp
Locus ID:	10553
UniProt ID:	Q9BUP3
Cytogenetics:	11p15.1
Protein Families:	Druggable Genome
MW:	30.2 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]

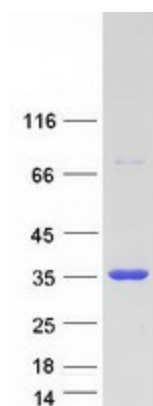
Product images:



Circular map for RC200276



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# [TP300276]). The protein was produced from HEK293T cells transfected with HTATIP2 cDNA clone (Cat# RC200276) using MegaTran 2.0 (Cat# [TT210002]).