

Product datasheet for **RG212332**

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:	TurboGFP
Symbol:	TIP30
Synonyms:	CC3; SDR44U1; TIP30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212332 representing NM_001098522 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAAACAGAAGCCCTGTCGAAGCTTCGGGAAGACTTCAGGATGCAGAATAAATCCGCTTTATTT
 TGGGCGCCAGCGGAGAAACCGGCAGAGTGCTCTTAAAGGAAATCCTGGAGCAGGGCTGTTTTCCAAAGT
 CACGCTCATTGGCCGGAGGAAGCTCACCTTCGACGAGGAAGCTTATAAAATGTGAATCAAGAAGTGGT
 GACTTTGAAAAGTTGGATGACTACGCCTCTGCCTTTCAAGGTCATGATGTTGGATTCTGTTGCCTGGGT
 CCACCAGAGGGAAAGCTGGGCGGAGGGATTTGTCGTGTGACCGAGATTATGTGCTGAAGTCTGCAGA
 GCTGGCAAAAGCTGGAGGTGCAACATTTCAACTTGCTATCCTCTAAAGGAGCTGATAAATCAAGCAAT
 TTTTTATATCTACAAGTTAAGGGAGAAGTAGAAGCCAAGGTTGAAGAATTAATTTGATCGTTACTCTG
 TATTTAGGCCTGGAGTTCTGTTATGTGATAGGCAAGAACTCGCCAGGTGAATGGCTGGTTAGAAAGTT
 CTTTGGCTCCTTACCAGACTCTTGGGCCAGTGGGCATTCTGTGCTGTGGTGACCGTGGTTAGAGCAATG
 CTGAACAATGTGGTGAGACCAAGAGACAAGCAGATGGAAGTCTGGAGAACAAGGCCATCCATGACCTGG
 GGAAAGCGCATGGCTCTCTCAAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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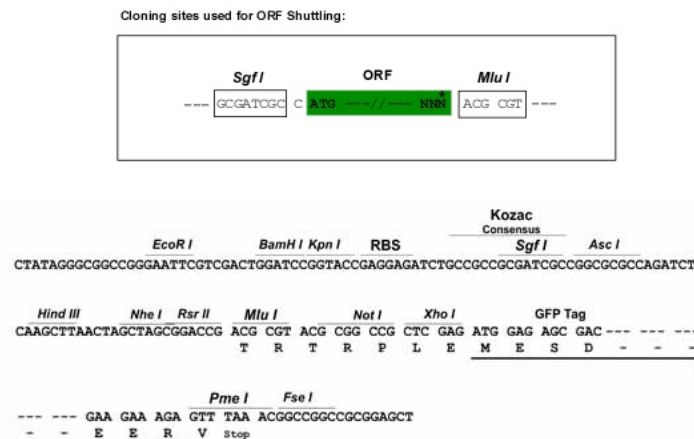
Protein Sequence: >RG212332 representing NM_001098522
 Red=Cloning site Green=Tags(s)

MAETEALSKLREDFRMQNKS VFILGASGETGRVLLKEILEQGLFSKVTLIGRRKLTDEEAYKNVNQEVV
 DFEKLDDYASAFQGHVDVGFCCLTGTRGKAGAEFVRVDRDYVLKSAELAKAGGCKHFNLLSSKGADKSSN
 FLYLQVKGVEAKVEELKFDRYSVFRPGVLLCDRQESRPGEWLVRKFFGSLPDSWASGHSVPVTVVRAM
 LNNVVRPRDKQMELLENKAIHDLGKAHGS LKP

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_001098522.2](#)

RefSeq Size: 1719 bp

RefSeq ORF: 729 bp

Locus ID: 10553

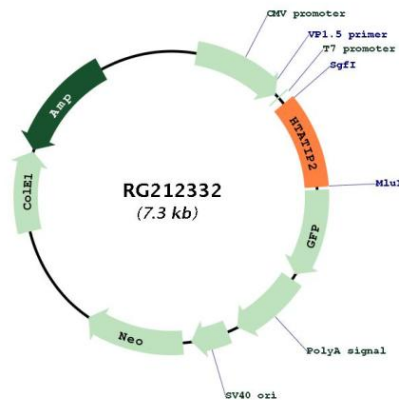
UniProt ID: [Q9BUP3](#)

Cytogenetics: 11p15.1

Protein Families: Druggable Genome

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 RG212332