

## Product datasheet for **SC316348**

### TIP30 (HTATIP2) (NM\_001098522) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TIP30 (HTATIP2) (NM_001098522) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIP30
Synonyms:	CC3; SDR44U1; TIP30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316348 representing NM_001098522. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**  
 ATGGCCGAAACAGAAGCCCTGTGAAGCTTCGGGAAGACTTCAGGATGCAGAATAAATCCGCTTTTATT  
 TTGGGCGCCAGCGGAGAAACCGGCAGAGTGCTCTTAAAGGAAATCCTGGAGCAGGCCTGTTTTCCAAA  
 GTCACGCTCATTGGCCGGAGGAAGCTCACCTTCGACGAGGAAGCTTATAAAATGTGAATCAAGAAGTG  
 GTGGACTTTGAAAAGTTGGATGACTACGCCTCTGCCTTCAAGGTCATGATGTTGGATTCTGTTGCCTG  
 GGTACCACCAGAGGGAAGCTGGGCGGAGGGATTGTTCTGTGTGACCGAGATTATGTGCTGAAGTCT  
 GCAGAGCTGGCAAAGCTGGAGGTGCAAACATTTCAACTTGCTATCCTCTAAAGGAGCTGATAAATCA  
 AGCAATTTTTTATATCTACAAGTTAAGGGAGAAGTAGAAGCCAAGTTGAAGAATTTAAATTTGATCGT  
 TACTCTGTATTTAGGCCTGGAGTTCTGTTATGTGATAGGCAAGAATCTCGCCAGGTGAATGGCTGGTT  
 AGAAAGTTCTTTGGCTCCTTACCAGACTCTTGGGCCAGTGGGCATTCTGTGCCTGTGGTGACCGTGGTT  
 AGAGCAATGCTGAACAATGTGGTGAGACCAAGAGACAAGCAGATGGAAGTCTGGAGAACAAGGCCATC  
 CATGACCTGGGGAAGCGCATGGCTCTCTCAAGCCATGA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001098522
Insert Size:	729 bp


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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001098522.1</a></u>
<b>RefSeq Size:</b>	1719 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	10553
<b>UniProt ID:</b>	<u><a href="#">Q9BUP3</a></u>
<b>Cytogenetics:</b>	11p15.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	27 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) has an alternate 5' end and differs in the 5' UTR, compared to variant 1. These differences cause translation initiation at a downstream AUG and an isoform (b, also known as CC3) with a shorter N-terminus compared to isoform a. Variants 2, 3 and 4 encode the same isoform.</p>