

## Product datasheet for **SC319732**

### TRIP15 (COPS2) (NM\_004236) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIP15 (COPS2) (NM_004236) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRIP15
Synonyms:	ALIEN; CSN2; SGN2; TRIP15
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004236.1  
 GGGGCTCCCGCCAAGATGTCTGACATGGAGGATGATTTTCATGTGCGATGATGAGGAGGA  
 CTACGACCTGGAATACTCTGAAGATAGTAACTCCGAGCCAATGTGGATTTGGAAAATCA  
 GTAATAAATCCAAAGCATTAAAAGAAGATGACCCAAAAGCGGCATTAAGCAGTTTCCA  
 AAAGGTTTTGGAAGTTGAAGGTGAAAAAGGAGAATGGGGATTTAAAGCACTGAAACAAAT  
 GATTAAGATTAAGTTCAAGTTGACAAACTTTCCAGAAATGATGAATAGATATAAGCAGCT  
 ATTGACCTATATTCGGAGTGCAGTCACAAGAAATTTCTGAAAAATCCATTAATTCTAT  
 TCTTGATTATATCTACTTCTAAACAGATGGATTTACTGCAGGAATTCTATGAAACAAC  
 ACTGGAAGCTTTGAAAGATGCTAAGAATGATAGACTGTGGTTTAAAGACAAACACAAGCT  
 TGGAAAATTATATTTAGAACGAGAGGAATATGGAAAGCTTCAAAAAATTTTACGCCAGTT  
 ACATCAGTCGTGCCAGACTGATGATGGAGAAGATGATCTGAAAAAAGGTACACAGTTATT  
 AGAAATATATGCTTTGAAATTCAAATGTACACAGCACAGAAAAATAACAAAAAATTA  
 AGCACTCTATGAACAGTCACTTCACATCAAGTCTGCCATCCCTCATCCACTGATTATGGG  
 AGTTATCAGAGAATGTGGTGGTAAAATGCCTTGAGGGAAGGTGAATTTGAAAAGGCACA  
 CACTGATTTTTTTGAAGCCTTCAAGAATTATGATGAATCTGGAAGTCCAAGACGAACCAC  
 TTGCTTAAAAATTTTGGTCTTAGCAAATATGCTTATGAAATCGGGAATAAATCCATTTGA  
 CTCACAGGAGGCCAAGCCGTACAAAAATGATCCAGAAATTTTAGCAATGACGAATTTAGT  
 AAGTGCCTATCAGAAATGACATCACTGAATTTGAAAAGATTCTAAAAACAAATCACAG  
 CAACATCATGGATGATCCTTTTATAAGAGAACACATTGAAGAGCTTTTGGCAAACATCAG  
 AACACAAGTGCTTATAAAATTAATTAAGCCTTACACAAGAATACATATTCCTTTTATTTT  
 TAAGGAGTTAAACATAGATGTAGCTGATGTGGAGAGCTTGCTGGTGCAGTGCATATTGGA  
 TAACACTATTCATGGCCGAATTGATCAAGTCAACCAACTCCTTGAAGTGGATCATCAGAA  
 GAGGGTGGTGCACGATATACTGCACTAGATAAATGGACCAACCAACTAAATTTCTCAA  
 CCAGGCTGTAGTCAGTAACTGGCTTAAACAGAGAACAAGCTTTTACAGAGTCTTAAAGG  
 CAACAGTGCAGAGATGTAATCCTTAAAAGAACTGGGAATGGCAAAACTACTGTCGTTGA  
 TGTGCTCTGAAAATTTGGAGTTATGGCAGAAGTGTCTTTTTGATCAACTGGTTTGTGT  
 TTTGCTGCTGCATTTATCCCAAGAAAAACAGCTTAAATCTCCAGAAGAAAACCAAATAC  
 CATGGGATTTATGCTGTATTGACATCTTGCCCTAAACGTACAACATCATAGTAATTTGTC  
 ATGGGCAACATGACCAGAGAGAAGATTTTTGTCATGATTTTAAATACACTGACACGCTAC  
 TGTTGGTTAAATTTAAACATGTTTTACCTGCAGAAATTTCTCACAAATAACCTGCAATA  
 ACTTGAATGCATACCCTTTTGAACACTTCTTTTCTCATGTATAAATTTAAATGTTTGC  
 TGCATTTTGCAAAATGTCAATTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_004236

**OTI Disclaimer:** 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).

**OTI Annotation:** 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.

**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).

<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>	<a href="#">NM_004236.1</a> , <a href="#">NP_004227.1</a>
<b>RefSeq Size:</b>	1951 bp
<b>RefSeq ORF:</b>	1332 bp
<b>Locus ID:</b>	9318
<b>UniProt ID:</b>	<a href="#">P61201</a>
<b>Cytogenetics:</b>	15q21.1
<b>Domains:</b>	PCI
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, I<math>\kappa</math>B<math>\alpha</math>/NF<math>\kappa</math>B, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Involved in early stage of neuronal differentiation via its interaction with NIF3L1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) has an exon with an alternative splice acceptor site in the 5' coding region, compared to variant 2, which results in a shorter protein (isoform 1), compared to isoform 2.</p>