

## Product datasheet for **SC319300**

### CTDSP1 (NM\_182642) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSP1 (NM_182642) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDSP1
Synonyms:	NIF3; NLI-IF; NLIIF; SCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_182642.1  
 GGC GCCCGGGCCAGAGTCCGGCCGAGCGGAGCGCCCGGCCCCATGGACAGCTCGGCC  
 GTCATTACTCAGATCAGCAAGGAGGAGGCTCGGGGCCCGCTGCGGGGCAAAGGTGACCAG  
 AAGTCAGCAGCTTCCCAGAAGCCCCGAAGCCGGGGCATCTCCACTCACTCTTCTGCTGT  
 GTCTGCCGGGATGATGGGGAGGCCCTGCCTGCTCACAGCGGGGCGCCCTGCTTGTGGAG  
 GAGAATGGAGCCATCCCTAAGCAGACCCCAAGTCCAATACCTGCTCCCTGAGGCCAAGGCC  
 CAGGACTCAGACAAGATCTGCGTGGTCATCGACCTGGACGAGACCCTGGTGCACAGCTCC  
 TTCAAGCCAGTGAACAACGCGGACTTCATCATCCCTGTGGAGATTGATGGGGTGGTCCAC  
 CAGGTCTACGTGTTGAAGCGTCCTCACGTGGATGAGTTCCCTGCAGCGAATGGGCGAGCTC  
 TTTGAATGTGTGCTGTTCACTGCTAGCCTCGCCAAGTACGCAGACCCAGTAGCTGACCTG  
 CTGGACAAATGGGGGGCCTTCCGGGCCCGGCTGTTTCGAGAGTCTGCGTCTTCCACCGG  
 GGGAACTACGTGAAGGACCTGAGCCGGTTGGGTCGAGACCTGCGGCGGGTGTCTATCCTG  
 GACAATTCACCTGCCTCTATGTCTTCCATCCAGACAATGCTGTACCGGTGGCCTCGTGG  
 TTTGACAAATGAGTGACACAGAGCTCCACGACCTCCTCCCTTCTTCGAGCAACTCAGC  
 CGTGTGGACGACGTGACTCAGTGTCTCAGGCAGCCACGGCCAGGGAGCTAGTGAGGGTGA  
 TGGGGCCAGGACCTGCCCTGACCAATGATACCCACACCTCCTCCAGGAAGACTGCCCA  
 GGCTTTGTTAGGAAAACCCATGGGCCGCCCACTCAGTGCCATGGGGAAGCGGGCG  
 TCTCCCCACAGCCCCACCAGGCGGTGTAGGGGCAGCAGGCTGCACTGAGGACCGTGAG  
 CTCCAGGCCCGTGTGAGTGCCTTCAAACCTCCTCCCCTATTCTCAGGGGACCTGGGGGG  
 CCCTGCCTGCTGCTCCCTTTTCTGTCTCTGTCCATGCTGCCATGTTTCTCTGCTGCCAA  
 ATTTGGGCCCTTGGCCCTTCCGGTTCTGCTTCTGGGGGAGGGTTCCTGCCTTGGACC  
 CCCAGTCTGGGAACGGTGGACATCAAGTGCCTTGCATAGAGCCCCCTTCCCCGCCAC  
 CTTTCCCAGGGGCACAGCTCTAGGCTGGGAGGGGAGAACCAGCCCCCTCCCCTGCCCCAC  
 CTCTCCCTTGGGACTGAGAGGGGCCCTACCAACCTTTGCTCTGCCTTGGAGGGAGGGG  
 AGGTCTGTTACCACTGGGGAAGGCAGCAGGAGTGTCTCTCAGGCCCCACAGTGACGCT  
 TCTCCAGGGCCGACAGCTGAGGGCTGCTCCCTGCATCATCCAAGCAATGACCTCAGACTT  
 CTGCCTTAACAGCCCCGGGGCTTGGCTCCCCAGCTCTGAGCGTGGGGGCATAGGCAGG  
 ACCCCCCTTGTGGTGCCATATAAATATGTACATGTGTATATAGATTTTTAGGGGAAGGAG  
 AGAGGGAAAGGGTCAGGGTAGAGACACCCTCCCTTGCCTTTTCTGGGCCAGAAAGTTG  
 GGGGGAGGGAGGGAAAGGATTTTTACATTTTTTAACTGCTATTTTCTGAATGGAACAAG  
 CTGGGCCAAGGGGCCAGGCCCTGCTCTGTCCCTCACACCCTTTGCTCCGTTTATTTC  
 ATTCAAAAAACATTTCTTGGAGACCTTCTGTGCCAGCATATGCTAGGCCACCAGCTA  
 AGTGTGTGTGGGGGTCTCTACGCCAGCTCATCAGTGCCTCCTTGCCATCCTTACCAGG  
 TGCCCTTGGGGGATCTGTAGGAGGTGGGACCTTCTGTGGGGTTTGGGGATCTCCAGGAAG  
 CCCGACCAAGCTGTCCCTTCCCTGTGCCAACCCATCTCCTACAGCCCCCTGCCTGATC  
 CCCTGCTGGTGGGGGACAGCTCCAGGATATCCTGCCTTCCAAGTGTCTGAAGCCCCT  
 CCTCCTAACATGGCGATTCCGGAGGTCAAGGCCTTGGGCTCTCCCAGGGTCTAACGGTT  
 AAGGGACCCACATAACAGTGCCAAGGGGATGTCAAGTGGTGTGTCGTTGTGCTCCCC  
 TCCCCAGAGCGGGTGGGCGGGGGTGAATATGGTTGGCCTGCATCAGGTGGCCTTCCCA  
 TTTAAGTGCCTTCTGTGACTGAGAGCCCTAGTGTGATGAGAATAAAGAGAAAAGCCAG  
 ACCCTAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_182642

**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).

<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>	<a href="#">NM_182642.1</a> , <a href="#">NP_872580.1</a>
<b>RefSeq Size:</b>	783 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	58190
<b>UniProt ID:</b>	<a href="#">Q9GZU7</a>
<b>Cytogenetics:</b>	2q35
<b>Protein Families:</b>	Phosphatase
<b>Gene Summary:</b>	<p>This gene encodes a member of the small C-terminal domain phosphatase (SCP) family of nuclear phosphatases. These proteins play a role in transcriptional regulation through specific dephosphorylation of phosphoserine 5 within tandem heptapeptide repeats of the C-terminal domain of RNA polymerase II. The encoded protein plays a role in neuronal gene silencing in non-neuronal cells, and may also inhibit osteoblast differentiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>