

Product datasheet for **SC315501**

CTDSP1 (NM_021198) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSP1 (NM_021198) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDSP1
Synonyms:	NIF3; NLI-IF; NLIIF; SCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315501 representing NM_021198. Blue=Insert sequence Red=Cloning site Green=Tag(s)

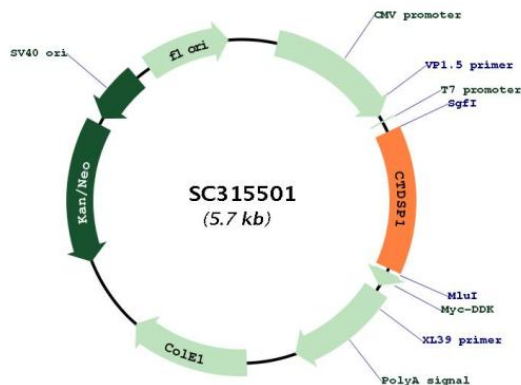
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGACAGCTCGGCCGTACTACTCAGATCAGCAAGGAGGAGGCTCGGGGCCGCTCGGGGCAAAGGT
GACCAGAAGTCAGCAGCTTCCAGAAGCCCGAAGCCGGGGCATCCTCCACTCACTCTTCTGCTGTGTC
TGCCGGGATGATGGGGAGGCCCTGCCTGCTCACAGCGGGCGCCCTGCTTGTGGAGGAGAATGGCGCC
ATCCCTAAGCAGACCCAGTCCAATACCTGCTCCCTGAGGCCAAGGCCCAGGACTCAGACAAGATCTGC
GTGGTCATCGACCTGGACGAGACCCTGGTGCACAGCTCCTTCAAGCCAGTGAACAACGGGACTTCATC
ATCCCTGTGGAGATTGATGGGGTGGTCCACCAGGTCTACGTGTTGAAGCGTCCTCACGTGGATGAGTTC
CTGCAGCGAATGGCGGAGCTCTTTGAATGTGTGCTGTTCACTGCTAGCCTCGCCAAGTACGACAGCCCA
GTAGCTGACCTGCTGGACAAATGGGGGCCCTCCGGGCCCGGCTGTTTCGAGAGTCTGCGTCTTCCAC
CGGGGAACTACGTGAAGGACCTGAGCCGGTGGGTGCGAGACCTGCGGCGGGTGCTCATCTGGACAAT
TCACTGCCTCCTATGTCTTCCATCCAGACAATGCTGTACCGGTGGCCTCGTGGTTTGACAACATGAGT
GACACAGAGCTCCACGACCTCCTCCCCTTCTTCGAGCAACTCAGCCGTGTGGACGACGTGTACTCAGTG
CTCAGGCAGCCACGGCCAGGGAGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_021198

Insert Size: 786 bp

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).

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_021198.2](#)

RefSeq Size: 2655 bp

RefSeq ORF: 786 bp

Locus ID: 58190

UniProt ID: [Q9GZU7](#)

Cytogenetics: 2q35

Domains: CPDc

Protein Families: Phosphatase

MW: 29.2 kDa

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).