

## Product datasheet for **SC329848**

### CTDSP1 (NM\_001206878) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSP1 (NM_001206878) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDSP1
Synonyms:	NIF3; NLI-IF; NLIIF; SCP1
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329848 representing NM_001206878. <b>Blue</b> =Insert sequence <b>Red</b> =Cloning site <b>Green</b> =Tag(s)

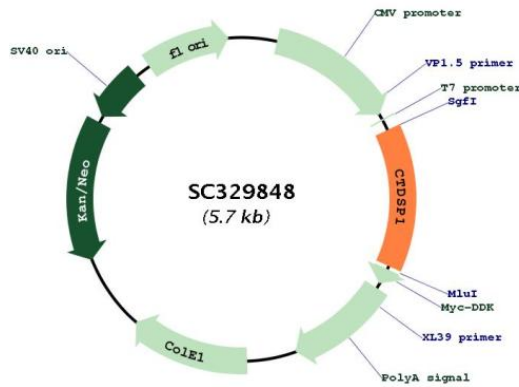
```
ATGGTGGCCGCCCGTGGGCTACCCAGGAGCAGGAGGAGGGCCGAGGGATCCAGCCCGGGGACCGGGGT
GACCAGAAGTCAGCAGCTTCCCAGAAGCCCGAAGCCGGGGCATCCTCCACTCACTCTTCTGCTGTGTC
TGCCGGGATGATGGGAGGCCCTGCCTGCTCACAGCGGGGCGCCCTGCTTGTGGAGGAGAATGGCGCC
ATCCCTAAGACCCAGTCCAATACCTGCTCCCTGAGGCCAAGGCCAGGACTCAGACAAGATCTGCGTG
GTCATCGACCTGGACGAGACCCTGGTGCACAGCTCCTTCAAGCCAGTGAACAACGCGGACTTCATCATC
CCTGTGGAGATTGATGGGGTGGTCCACCAGGTCTACGTGTTGAAGCGTCCTCACGTGGATGAGTTCTG
CAGCGAATGGGGGAGCTCTTGAATGTGTGCTGTTCACTGCTAGCCTCGCCAAGTACGCAGACCCAGTA
GCTGACCTGCTGGACAAATGGGGGGCCTTCCGGGCCCGGCTGTTTCGAGAGTCCTGCGTCTTCCACCGG
GGGAACACTCGTGAAGGACCTGAGCCGGTTGGGTCGAGACCTGCGGCGGGTGCTCATCCTGGACAATTCA
CCTGCCTCCTATGTCTTCCATCCAGACAATGCTGTACCGGTGGCCTCGTGGTTTGACAACATGAGTGAC
ACAGAGCTCCACGACCTCCTCCCCTTCTTCGAGCAACTCAGCCGTGTGGACGACGTGTA CTCACTAGTCTC
AGGCAGCCACGGCCAGGGAGCTAG
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



**ACCN:** NM\_001206878

**Insert Size:** 783 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).

**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\\_001206878.1](#)

**RefSeq Size:** 2391 bp

**RefSeq ORF:** 783 bp

**Locus ID:** 58190

**UniProt ID:** [Q9GZU7](#)

**Cytogenetics:** 2q35

**Protein Families:** Phosphatase

**MW:** 29.1 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 (3) differs in the 5' UTR and has multiple differences in the coding region, including the use of an alternate start codon, compared to variant 1. The encoded isoform (3) is shorter and has a distinct N-terminus, compared to isoform 1.

**Sequence Note:** This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.