

Product datasheet for **RC232311**

CTDSP1 (NM_001206878) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CTDSP1 (NM_001206878) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CTDSP1
Synonyms: NIF3; NLI-IF; NLIIF; SCP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232311 representing NM_001206878
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGGCCGCCCGTGGGCTACCCAGGAGCAGGAGGAGGGCCGAGGGATCCAGCCCGGGACCGGGTG
ACCAGAAGTCAGCAGCTCCAGAAAGCCCGAAGCCGGGGCATCCTCCACTCACTCTTCTGCTGTGTCTG
CCGGGATGATGGGGAGGCCCTGCCTGCTCACAGCGGGCGCCCTGCTTGTGGAGGAGAATGGCGCCATC
CCTAAGACCCAGTCCAATACCTGCTCCCTGAGGCCAAGGCCAGGACTCAGACAAGATCTGCGTGGTCA
TCGACCTGGACGAGACCCTGGTGACAGCTCCTCAAGCCAGTGAACAACGCGGACTTCATCATCCCTGT
GGAGATTGATGGGGTGGTCCACCAGGTCTACGTGTTGAAGCGTCCCTCACGTGGATGAGTTCCTGCAGCGA
ATGGGCGAGCTCTTTGAATGTGTGCTGTTCACTGCTAGCCTCGCCAAGTACGCAGACCCAGTAGCTGACC
TGCTGGACAAATGGGGGGCCTCCGGGCCCGGCTGTTTCGAGAGTCTGCGTCTTCCACCGGGGAACTA
CGTGAAGGACCTGAGCCGTTGGGTCGAGACCTGCGGCGGGTGTCTATCCTGGACAATTCACCTGCCTCC
TATGCTTCCATCCAGACAATGCTGTACCGGTGGCCTCGTGGTTTGACAACATGAGTGACACAGAGCTCC
ACGACCTCTCCCTTCTTCGAGCAACTCAGCCGTGTGGACGACGTGACTCAGTGCTCAGGCAGCCACG
GCCAGGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001206878.2
RefSeq Size:	2391 bp
RefSeq ORF:	783 bp
Locus ID:	58190
UniProt ID:	Q9GZU7
Cytogenetics:	2q35
Protein Families:	Phosphatase
MW:	29.6 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]