

Product datasheet for **SC324051**

CTDSP2 (NM_005730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSP2 (NM_005730) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDSP2
Synonyms:	OS4; PSR2; SCP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_005730.3
 GGAGCTGCCGCTGGGGATCGGGCCGGGGGCACCCGGGGGAGCCGCTGCCCGGGCCGCC
 CGCCCTTTGTACAGGCCGCTCCCTTCCCGGTCCGGGAGGAAACGAGAGGGGGATGTG
 AACAGCTGTGGAAGTCGGAGTCTCGGGAGCCGGAGCGGGCCCCGCCAGGCCCCCCAGC
 CCAGCCCAGCCGCGCGCCCGCCGCTCTCCCGCCAGCCAGCCGGGCCCGGGATTG
 TTAGATGGAACACGGCTCCATCATCACCCAGGCGGGAGGGAAGACGCCCTGGTGCTCAC
 CAAGCAAGGCCTGGTCTCCAAGTCTCTCTAAGAAGCCTCGTGGACGTAACATCTTCAA
 GGCCCTTTTCTGCTGTTTTTCGCGCCAGCATGTTGGCCAGTCAAGTTCCTCCACTGAGCT
 CGCTGCGTATAAGGAGGAAGCAAACACCATTGCTAAGTCGGATCTGCTCCAGTGTCTCCA
 GTACCAGTTTACCAGATCCCAGGGACCTGCCTGCTCCAGAGGTGACAGAGGAAGATCA
 AGGAAGGATCTGTGTGGTCATTGACCTCGATGAAACCCTTGTGCATAGCTCCTTTAAGCC
 AATCAACAATGCTGACTTCATAGTGCCTATAGAGATTGAGGGGACCACTCACCAGGTGTA
 TGTGCTCAAGAGGCTTATGTGGATGAGTTCCTGAGACGCATGGGGAACTCTTTGAATG
 TGTCTCTTCACTGCCAGCCTGGCCAAGTATGCCGACCCTGTGACAGACCTGCTGGACCG
 GTGTGGGGTGTTCGGGGCCGCCTATTCGCTGAGTCTTGGCTGTCCACCAGGGTGTCTA
 CGTCAAGGACCTCAGCCGCTGGGGAGGGACCTGAGAAAGACCCTCATCTGGACAACTC
 GCCTGCTTCTTACATATTCACCCCGAGAATGCAGTGCCTGTGCAGTCTGGTTTGATGA
 CATGGCAGACACTGAGTTGCTGAACCTGATCCCAATCTTTGAGGAGCTGAGCGGAGCAGA
 GGACGTCTACACCAGCCTTGGGCAGCTGCGGGCCCTTAGCCTGCCCTGCTTCCAAGCGA
 CGGCCATCCCAGTAGGGGACTTTCCACACTGTGCCTTACGATCAGCGTGACAGAGTAG
 AAGCTGGAGTGCCTCACCACACGGCCCGAAACAGCGGGAAGTAACTGAAAGAGCTTTA
 GGACAGCTTAGATGCCGAGTGGGCGAATGCCAGACCAATGATACCCAGAGCTACCTGCCG
 CCAACTTGTGAGATGTGTGTTGACTGTGAGAGAGTGTGTGTTTGTGTGTGTTTTGC
 CATGAACGTGGCCCCAGTGTATAGTGTTCAGTGGGGGAGAAGCTGAAAGACCAAGACT
 CTTCCCAAGTTAGCTTGTCTCCTCTCCTGTACCCCTAAGAGCCACTGAGTTGTGTAGGGA
 TGAAGACTATTGAAGACTCCATTGCCAAACCATGGCCTTCTCAGTGTGTAAGGCCTA
 TGCCAAGGATAAAGGAAGGGTATGCCTTTGGGTACTCCAGGCACACACCTTTCTGAAATC
 CTTCTCCAGCCAGCTGCTGCAGACAAAAGATCACATTTCTGGGAAGATGAGAACTGTGTT
 CCAGACCAGCATCCAGTGGCCATCAGGTCTTGTGGCCAAAGGCTATGCTTGCCTCCGGC
 TGAGTGCCTGGGATAGGCCTTTTCTATGTCTCCCAAGGCTGGGGTGTGAGCCTGCCTT
 CCTCACCACCTAGCCATAGTCTCAAACCTGTGGGAAGGAGGTTTTCTCCTGCCGGGA
 AGAGGACAGATAACTGATTTCCGTTCTTTTGTGAGTGTGTTTTAAATTTCTTTCTAAACA
 CAGAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_005730

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:	<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_005730.3 , NP_005721.3
RefSeq Size:	5038 bp
RefSeq ORF:	816 bp
Locus ID:	10106
UniProt ID:	O14595
Cytogenetics:	12q14.1
Domains:	CPDc
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation. Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells. May contribute to the development of sarcomas.[UniProtKB/Swiss-Prot Function]