

Product datasheet for **MC209895**

Ctdsp2 (NM_001113470) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctdsp2 (NM_001113470) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctdsp2
Synonyms: A1586070; D10Ertd73e; OS-4; OS4; SCP2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209895 representing NM_001113470
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAACAGCGCTCCATCATCACCCAGGCGGGAGGGAAGACGCCCTGGTGCTACCAAGCAAGGCCTAG
TCTCCAAGTCTCGCCTAAGAAACCCCGTGGCCGAGCATCTTCAAGCCCTCTTGTGCTGTTCCACAC
ACAGCATGTTGTCCAGTCCAGCTCTTCCACTGAGCTCACACAAAGGAGGAGGCCAACACCATCGCCAAG
TCCGATCTCCTCCAGTGTCTCCAGTACCAGTTTTATCAGATCCCTGGGACCTGCCTGCTCCCGAGGTGA
CAGAGCAAGATCAAGGCAGGATCTGCGTGGTCATTGACCTGGATGAGACCCTTGTGCACAGTTCTTTAA
GCCGATCAACAATGCTGACTTCATAGTGCCTGTAGAGATTGAGGGGACCACGCACCAGGTATATGTGCTC
AAGAGGCCTTACGTGATGAGTTCCTGAGACGGATGGGGGAGCTCTTGAATGTGTTCTTCTCACTGCCA
GCTTGGCCAAGTATGCTGACCCTGTGACTGATCTCCTGGACCGGTGCGGGGTGTTCCGGGCCCGCCTGTT
CCGAGAGGCTTGTGTGTTCCACCAGGGTGCTATGTCAAGGACCTCAGCCGCCTGGGAAGGGACCTGAGG
AAAAGTGTATCCTGGACAACCTCCCTGCATCTTACATCTTCCACCCAGAAAATGCAGTGCCTGTGCAGT
CCTGGTTTGATGACATGGCAGATACAGAGTTGCTGAACCTGATCCAGTCTTCGAGGAGCTAAGTGGAAAC
TGATGATGTCTACACCAGCCTTGGGCAGCTGCGGGCCCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001113470
Insert Size: 813 bp



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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:	<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:	<u>NM_001113470.1</u> , <u>NP_001106941.1</u>
RefSeq Size:	4823 bp
RefSeq ORF:	813 bp
Locus ID:	52468
UniProt ID:	<u>Q8BX07</u>
Cytogenetics:	10 74.35 cM
Gene Summary:	<p>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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (a) represents the longer transcript and encodes the longer isoform (a).</p>