

Product datasheet for **MC207681**

Ctdspl (NM_133710) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctdspl (NM_133710) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctdspl
Synonyms: 2810418J22Rik; AI426263; HYA22; SCP3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207681 representing NM_133710
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACGGTCCGGCCATCATCACCCAGGTGACCAACCCCAAGGAGGATGAGGCCCGGTGCGCCGTGCGGG
GCGAAAAAGCTTCCAGCGCAACATCAGCCTAAAGAAGCAAAGGGGTCGGAGCATCCTTAGCTCTTTCTT
CTGCTGCTCCGAGACTACAATGTGGAAGCCCTCCGGCCAACAGCCCCAGTGTGCTTCCGCCACTGGT
GAGGAGAACGGTGGGCTTCAGAAGGGTGACCAGAGGCAGGTATTCCCGTACCAAGCCACCAGCTAAAT
ACCTCCTTCCAGAGGTGACGGTGTCTCGACTATGGAAAGAAATGTGTGGTCATTGATCTAGACGAAACCT
GGTGCACAGTTTCGTTAAGCCATTAGTAATGCTGACTTCATTGTTCTGTTGAAATCGACGGAACCATA
CACCAGGTGTATGTGCTGAAGCGACCTCACGTGGACGAGTTTCTCCAGAGGATGGGGCAGCTCTTTGAGT
GTGTGCTCTTTACTGCCAGCTTGGCCAAGTATGCAGACCCTGTTGCCGACCTCCTGGACCGCTGGGGTGT
GTTCCGGGCCGACTCTTCAGAGAATCCTGCGTGTCCACCGTGGAACTATGTGAAGGACTTGAGTCGC
CTGGGACGGGAGCTGAGCAAAGTGATCATCGTGGACAATTCTCCTGCCTCCTACATCTCCATCCCTGAGA
ATGCAGTGCCCGTGCAGTCTGGTTTGACGACATGACAGACACGGAGCTGTTGGACCTCATCCCGTCTT
CGAGGGCCTGAGCAGGAAGACGATGTCTACAGCATGCTGCACAGACTCTGTAGCAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133710
Insert Size: 831 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:	NM_133710.3 , NP_598471.3
RefSeq Size:	4627 bp
RefSeq ORF:	831 bp
Locus ID:	69274
UniProt ID:	P58465
Cytogenetics:	9 F3
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 (By similarity).[UniProtKB/Swiss-Prot Function]