

Product datasheet for **SC128039**

CTDSPL (NM_005808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSPL (NM_005808) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTDSPL
Synonyms:	C3orf8; HYA22; PSR1; RBSP3; SCP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005808, the custom clone sequence may differ by one or more nucleotides

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ATGGACGGCCCGCCATCATCACCCAGGTGACCAACCCCAAGGAGGACGAGGGCCGGTTGCCGGGCGCGG
GCGAGAAAGCCTCCCAGTGCAACGTGAGCTTAAAGAAGCAGAGGAGCCGAGCATCCTTAGCTCCTTCTT
CTGCTGCTTCCGTGATTACAATGTGGAGGCCCTCCACCCAGCAGCCCCAGTGTGCTTCCGCCACTGGTG
GAGGAGAATGGTGGGCTTCAGAAGCCACCAGCTAAGTACCTTCTCCAGAGGTGACGGTCTTGACTATG
GAAAGAAATGTGTGGTCATTGATTTAGATGAAACATTGGTGCACAGTTCGTTTAAGCCTATTAGTAATGC
TGATTTTATTGTCCGGTTGAAATCGATGGAACATAACATCAGGTGTATGTGCTGAAGCGGCCACATGTG
GACGAGTTCCTCCAGAGGATGGGGCAGCTTTTGAATGTGTGCTTTACTGCCAGCTTGCCCAAGTATG
CAGACCCTGTGGCTGACCTCCTAGACCGCTGGGGTGTGTTCCGGGCCCGGCTCTTCAGAGAATCATGTGT
TTTTATCGTGGGAACTACGTGAAGGACCTGAGTCGCCTTGGGCGGGAGCTGAGCAAAGTATCATTGTT
GACAATCCCCTGCCTCATACTCTCCATCCTGAGAATGCAGTGCCTGTGCAGTCCCTGGTTCGATGACA
TGACGGACACGGAGCTGCTGGACCTCATCCCTTCTTTGAGGGCCTGAGCCGGGAGGACGACGTGTACAG
CATGCTGCACAGACTCTGCAATAGGTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005808 unedited</p> <pre> ATTTTGTACATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGCCGCCG GCCGCGCACCCATGGACGGCCCGGCCATCATCACCCAGGTGACCAACCCCAAGGAGGACG AGGGCCGGTTGCCGGGCGCGGGGAGAAAGCCTCCCAGTGCAACGTCAGCTTAAAGAAGC AGAGGAGCCGACGATCCTTAGCTCCTTCTTCTGCTGCTCCGTGATTACAATGTGGAGG CCCCTCCACCCAGCAGCCCAAGTGTGCTTCCGCCACTGGTGGAGGAGAATGGTGGGCTTC AGAAGCCACCAGCTAAGTACCTTCTTCCAGAGGTGACGGTCTTGACTATGGAAAGAAAT GTGTGGTCATTGATTTAGATGAAACATTGGTGCACAGTTCGTTTAAAGCCTATTAGTAATG CTGATTTTATTGTTCCGGTTGAAATCGATGGAACATACATCAGGTGTATGTGCTGAAGC GGCCACATGTGGACGAGTTCCTCCAGAGGATGGGGCAGCTTTTTGAATGTGTGCTCTTTA CTGCCAGCTTGGCCAAGTATGCAGACCCTGTGGCTGACCTCCTAGACCGTGGGGGTGTGT TTCCGGGCGCCGGCTCTTCAGAGATCATGTGTTTTTTCATCGTGGGAACACGTGAAGGACCT GAGTCGCCTTGGGCGGGAGCTGAGCAAAGTGATCATTGTTGACAATCCCCTGCCTCAT ACATCTTCCATCCTGAGAATGCAGTGTCTGTGCGNTCCCTGGGTCCGATGACATGGAC GGACACCCGNAGCTGCTGGACCTCATCCCCTTCTTTTTGAGGGCTCGAGCCGNAGGAAC CNACGTGTAACAGCATGTGCACAGACTCTGCNATAGCTGGATACACGGGGGCCCGTTG GGGAAATTTCTCTGT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005808 unedited</p> <pre> AAAGAACCTGTGGCTAGTTTTATTTTGGTTCGGCAGAGGAATACATTGCAAACCTTTTGC ATTGAAATACTCGCCCTGGTAAACGTGCACATCCGATATGTAGCATTTCCTAAGTATT GCTGGATTGTTTATCACATTCAAATGTCCAGCAGAAAATCCATGACTACCCANACACCAG CATCTCCACTACCCGGGGTGGGGGAGGGTGTGTAAGTCTGCAGAGAAGCTCCTGGGAGAA TGGAACAGGAACAGACATGATCAAAGTTACAGTACAGTAGGAACAGAGGCAGCCAGCCAA TTTTGCACAGTTAACTGCAAGTACGTCAAGCCATTCACTTCTCGAACCTGGCATGCC AACTGTCCAGCACAGCACCTTTAAAAGCAGAGGCACAAACGATGATTGTTTGACCATAG GGCTGCGTGGTTCTGGATTTTTTATTAGAAAGCCATCTTTAAAAATACAGGGTTGAAAA TGTTGCCAGGTTACAGACCTACAGGTTTTTTTTTTTTAACATATAAAGTTCAAATGCTGCC CCCAGACAAGTCAGCGTCCTTAGGGCATCCTCCTGGTCCCATAGACATCTCATATAAT TGCTCCACGACCATAGAACTTCCTCACCTTTTATTGTGCGCGGCTAGCTTCCCTTTATGC AATTGTCAAACGCCTTATTTCCGACCGCTGGTCTGCTGGGCACCACTGTACTCACACCTT TCCACTCCTCACCAATATTGTATTCCGCTTTCTTTCCCTCTTGGGAGTTGCCCGGCC CTTTGCATCATCTACCTTTGCTCCACACATTATTAATACCATATATCGCCCCGTATCTCT ATCCCCCCCCGTCCCCGCGCCGACATTCGATTCACTTCACCACGCCCCCCTAATAAT TACCCTCACCGCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005808
Insert Size:	4000 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:	<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_005808.2 , NP_005799.2
RefSeq Size:	4422 bp
RefSeq ORF:	798 bp
Locus ID:	10217
UniProt ID:	O15194
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<p>Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells (By similarity). 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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2) compared to isoform 1.</p>