

Product datasheet for **MC227834**

Ctdspl2 (NM_001290991) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctdspl2 (NM_001290991) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctdspl2
Synonyms:	D2Ertd485e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227834 representing NM_001290991
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTGAGAACACGGAAGGCTTCTCAGCAGTCCAGTCCAATCCAGACACAGCGCACTGCCAGAGCAA
 AGAGGAAATACTCAGAGTTGATGATAGCTTGCCTTCAGGAGGAGAAAAACCATCAAAGAATGAAACCGG
 CTTATTGTCTCAATTA AAAAGTTCATTAAAGGAAGCACACCCAAAGGAAGAGAGAAAAATCCTTCGAAG
 CGGAGTAGAATTGAACGTGATATAGATAATAATTTAATCACATCAACACCAAGAACCGGAGAAAAGCCTG
 ACAAACAGTTGTCTCGAGTAAGACGAAAAGTCCAGTCAATGGAGCTGGTAGTTATGAAATGACAAATCA
 ACATATAAAGCAAATGGAAAATTAGAAGATAACCCTTGCTCTGGTAGTCTCCGAGGACTACATTGTTG
 GGGACCATATTTTCGCCTGTCTCAACTTTTTTACCAGCAAATAAAAATGGAACGTGAGGCTCAGATT
 CCCCAGGACAGGCTGTGGAAGCTGAGGAGATAGTAAACAACCTGACATGGAACAGGTGGATGAAATTAC
 TACCAGCACACGTGAGTCAATGGAGCGGCTTACTCAAATCAAGCAGTTCAAGTGAGGCCATCACTAAAT
 AATGGTTTAGAAGAAGCAGAAGAAACAGTTACCCGGGATATCCCACCCCTTACAGCACCAGTAACCCAG
 AGAGTGGTACTCGTCAGCCATGCAGAGGCCACCTATGAAGAAGACTGGGAAGTATTTGACCCCTATTA
 TTTTCATCAAACATGTTCCGCCTCTGACAGAAGAACAGCTAAATAGGAAACCTGCTCTTCTTTGAAAACA
 AGAAGCACACCAGAGTTCTCCCTGGTCTTAGATCTGGATGAGACACTAGTGCAGTCTGAATGAGC
 TAGAAGATGCAGCGCTCACTTTTCCAGTCTTTTCCAAGATGTCATTTATCAGGTTTATGTGAGATTAAG
 ACCATTCTCAGGGAATTCCTGGAACGAATGTCTCAGATGATGAGATCATTCTTTTACTGCTTCTAAG
 AAGGTGTATGCAGACAAGTTACTGAACATACTAGACCCTAAAAAGCAACTGGTCAGGCACCGGCTTTTCC
 GTGAACATTGTGTTGTGTACAAGGAACTATATAAAGGACTTGAATATCCTTTGGGAGAGATCTTTCCAA
 AACTATAATAATTGACAACCTACCACAAGCCTTTGCCTATCAGCTTTCTAATGGAATCCCTATAGAAGC
 TGGTTTATGGATAAAAATGACAATGAACTCCTAAAATTGATTCCATTTCTGGAGAAGCTGTAGAAGTGA
 ATGAAGATGTCCGGCCTCACATCAGAGACAGATTCGATTGCATGATTTGCTGCCCCAGATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290991
- Insert Size:** 1395 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:

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_001290991.1](#), [NP_001277920.1](#)

RefSeq Size: 6734 bp

RefSeq ORF: 1395 bp

Locus ID: 329506

UniProt ID: [Q8BG15](#)

Cytogenetics: 2 60.46 cM

Gene Summary: Probable phosphatase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.