

Product datasheet for MR229427

Ctdspl2 (NM_001290992) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctdspl2 (NM_001290992) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctdspl2
Synonyms:	D2Ertd485e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229427 representing NM_001290992 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACAAATCAACATATAAAGCAAAATGGAAAATTAGAAGATAACCCCTTGCTCTGGTAGTCCTCCGAGGA
CTACATTGTTGGGGACCATATTTTCGCCTGTCTTCAACTTTTTTACCAGCAAATAAAATGGAACGTC
AGGCTCAGATCCCAGGACAGGCTGTGGAAGCTGAGGAGATAGTGAACAACCTGACATGGAACAGGTG
GATGAAATTAACCAGCACCGTCAGCTAATGGAGCGGCTTACTCAAATCAAGCAGTTCAAGTGAGGC
CATCACTAAATAATGGTTTGAAGAAGCAGAAGAAACAGTTACCCGGGATATCCCACCCCTTACAGCACC
AGTAACTCCAGAGAGTGGTACTCGTCAGCCATGCAGAGCCACCTATGAAGAAGACTGGGAAGTATTT
GACCCCTATTATTCATCAAACATGTTCCGCCTCTGACAGAAGAACAGCTAAATAGGAAACCTGCTCTTC
CTTTGAAAACAAGAAGCACACCAGAGTTCTCCCTGGTCTTAGATCTGGATGAGACTAGTGCATCTGCAG
TCTGAATGAGCTAGAAGATGCAGCGCTCACTTTCCAGTCCTTTTCCAAGATGTCATTTATCAGGTTTAT
GTGAGATTAAGACCATTCTCAGGGAATCCTGGAACGAATGTCTCAGATGTATGAGATCATTCTTTTTA
CTGCTTAAAGAAGGTGTATGCAGACAAGTTACTGAACATACTAGACCCTAAAAAGCAACTGGTCAGGCA
CCGGCTTTTCCGTGAACATTGTGTTGTGTACAAGGAACTATATAAAGGACTTGAATATCCTTGGGAGA
GATCTTTCCAAAACATAATAATTGACAACTCACCACAAGCCTTTGCCTATCAGCTTTCTAATGGAATCC
CTATAGAAAGCTGGTTTATGGATAAAAATGACAATGAACTCCTAAAATTGATTCCATTTCTGGAGAAGCT
TGTAGAAGCTGAATGAAGATGTCCGGCCTCACATCAGAGACAGATTTTCATTGATGATTTGCTGCCCCCA
GAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229427 representing NM_001290992
 Red=Cloning site Green=Tags(s)

MTNQHIKQNGKLEDNPCSGSPRTTLLGTIFSPVFNFFSPANKNGTSGSDSPGQAVEAEEIVKQLDMEQV
 DEITTTSTTSANGAAYSNAQAVQVRPSLNNGLEEAETVTRDIPPLTAPVTPESGYSSAHAETYEEDWEVF
 DPYYFIKHVPPLTEEQLNRPKALPLKTRSTPEFSLVLDLDELTVHCSLNELEDAALTFPVLFDVVIYQVY
 VRLRPFREFLERMSQMYEIIILFTASKKVVADKLLNILDPKKQLVRHRLFREHCVCVQGNVYIKDLNILGR
 DLSKTIIIDNSPQAFAYQLSNGIPIESWFMKNDNELLKLI PFLEKLVELNEDVDRPHIRDRFRLHDLLPP
 D

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001290992

ORF Size: 1053 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001290992.1](#), [NP_001277921.1](#)

RefSeq Size: 6733 bp

RefSeq ORF: 1056 bp

Locus ID: 329506

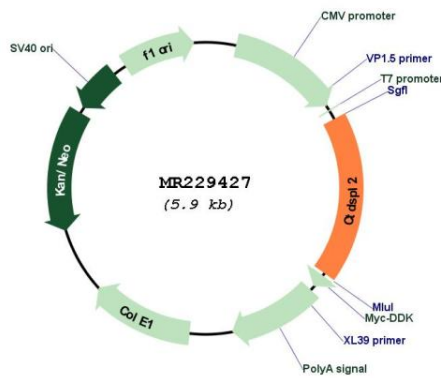
UniProt ID: [Q8BG15](#)

Cytogenetics: 2 60.46 cM

MW: 40.4 kDa

Gene Summary: Probable phosphatase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229427