

Product datasheet for **RG207746**

CTDSPL2 (NM_016396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTDSPL2 (NM_016396) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTDSPL2
Synonyms:	HSPC058; HSPC129; SCP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207746 representing NM_016396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCTGAGAACCGAAAGCTTCTCAGCAGTCAAATCAAATCCAACACAACGCACTGCCAGAGCAA
 AGAGGAAATATTCAGAGTTGATGATAGCTGCCTTCAGGAGGAGAAAAACCATCGAAGAATGAAACCGG
 CTTGTTGTCTCAATTAATAAATTTATTAAAGGAAGCACACCTAAGGAAGAGAGAAAAATCCTTAAAA
 CGGAGTAGAATTGAACGTGATATAGATAACAATTTGATCACGTCAACACCAAGAGCAGGAGAAAAACCTA
 ACAACAGATATCTCGAGTAAGACGAAAAAGTCAAGTAAATGGAGAAGCTGGTAGTTATGAAATGACAAA
 TCAACATGTAACAAAAATGAAAATTAGAAGATAATCCTTCTCTGGCAGTCTCCAAGGACTACTTTG
 TTGGGGACCATATTTTACCTGTCTTCACTTTTTTTTACCAGCAAATAAAAATGGAACGTCAGGATCAG
 ATTCTCCAGGACAGGCTGTGGAAGCTGAAGAAATAGTAAACAACCTTGATATGGAACAGGTGGATGAGAT
 CACTACAGTACTACTACATCAACTAATGGAGCAGCTTACTCAAATCAAGCAGTTCAAGTGAGACCATCA
 CTAACAATGGTTTAGAAGAAGCAGAAGAAACAGTTAATCGTGATATCCCACCCCTTACAGCACCAGTAA
 CTCAGATAGTGGTTATTCATCAGCCCACGCGGAGGCCACCTATGAAGAAGACTGGGAAGTATTTGACCC
 CTATTATTTTATCAAACATGTCCCGCCACTGACAGAAGAACAATAAATAGGAAACCTGCTCTTCCGTTG
 AAAACAAGAAGCACACCGGAATTCTCCCTAGTTTTAGACTTGGATGAAACACTAGTGCAATGTAGTCTAA
 ATGAGCTAGAAGATGCAGCACTACTTTTCCAGTCTTTTCCAAGATGTCATTTATCAGGTTTATGTGAG
 ATTAAGACCATTTTTCAGGGAATTCCTGGAACGAATGTCTCAGATGTATGAGATCATTCTTTTTACTGCT
 TCTAAGAAGGTGTATGCAGACAAGTACTGAACATACTAGACCCTAAAAAGCAACTGGTCAGGCACCGGC
 TTTCCCGTGAACATTGTGTTTGTGTACAAGGAACTATATAAAGGACTTAAATATTTTGGAAAGAGATCT
 TTCAAAAATAATAATTGACAACTACCACAAGCCTTTGCATATCAGCTTTTCTAATGGAATCCCTATA
 GAAAGTTGGTTTATGGATAAAAATGACAATGAACTCCTAAAATTGATTCCATTCTGGAGAAGCTTGTAG
 AACTGAATGAAGATGTTGACCACACATCAGAGACAGATTTGCTTGCATGATTTGCTGCCCCAGAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207746 representing NM_016396
 Red=Cloning site Green=Tags(s)

MRLRTRKASQQSNQIQRTARAKRKYSEVDDSLPSGGEKPSKNETGLLSSIKKFIKGSTPKEERENPSK
 RSRIERDIDNNLITSTPRAGEKPNKQISRVRRKSQVNAGEAGSYEMTNQHVKNQNGKLEDNPSGSPRPTTL
 LGTIFSPVFNFFSPANKNGTSGSDSPGQAVEAEEIVKQLDMEQVDEITTTSTTTSTNGAAYSNAQVQVRPS
 LNNGLEEAEEETVNRDIPPLTAPVTPDSGYSSAHAEATYEEDWEVDFPYFVKHVPPLTEEQLNRPALPL
 KTRSTPEFSLVLDLDELTVHCSLNELEDAALTFPVLFDVVIQVYVRLRPFREFLERMSQMYEIIILFTA
 SKKVYADKLLNILDPKQLVRHRLFREHCVCVQGNVIKDLNILGRDLSKTIIDNSPQAFAYQLSNGIPI
 ESWFMDKNDNELLKLIPFLEKLVELNEDVRPHIRDRLHDLLPPD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_016396

ORF Size: 1398 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.

RefSeq: [NM_016396.3](#)

RefSeq Size: 4875 bp

RefSeq ORF: 1401 bp

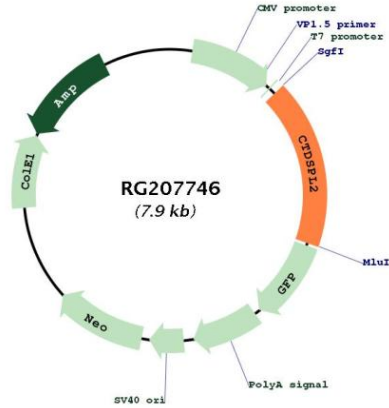
Locus ID: 51496

UniProt ID: [Q05D32](#)

Cytogenetics: 15q15.3-q21.1

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

Product images:



Circular map for RG207746