

# Certificate of Analysis

Product ID: OHu25055D Lot. No.: 817291575-1/V42953

Product Information:

Gene Symbol: CPS1 Accession No.: NM\_001122634

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 3150 bp

Cloning Strategy: CloneEZ Plasmid Size: 8540 bp

Antibiotic Resistance: Ampicillin, recommended concentration: 50 µg/ml Amount: 10 µg

Note: \* The stop codon has not been included in gene length calculation. And the detail sequence showed in attachment 2

Storage: Store at -20°C  
The ORF clone is shipped at room temperature, but should be kept at -20°C for long-term storage.

QC Items	Specifications	Results	
Sequencing Alignment	Sequencing results are consistent with the targeted insert sequence.	Pass	Consistent
Vector Sequence	The flanking sequences of the cloning sites are correct.	Pass	Correct Shown in the SQD file
Restriction Digests	The size of inserted fragment is correct and free of unexpected bands suggesting contamination.	Pass	Correct Shown in attachment 1
DNA Quality	Miniprep: 10 µg OD260/280=1.8~2.0 Free of contamination	Pass	≥ 10 µg OD260/280=1.87 Pure
Quality Grade	Research Grade	Pass	Research Grade
Appearance	Clear and free of foreign particles.	Pass	Clear Free of foreign particles
Additional Test		N/A	

Certified by: *Morgan* Date: 10/25/2016

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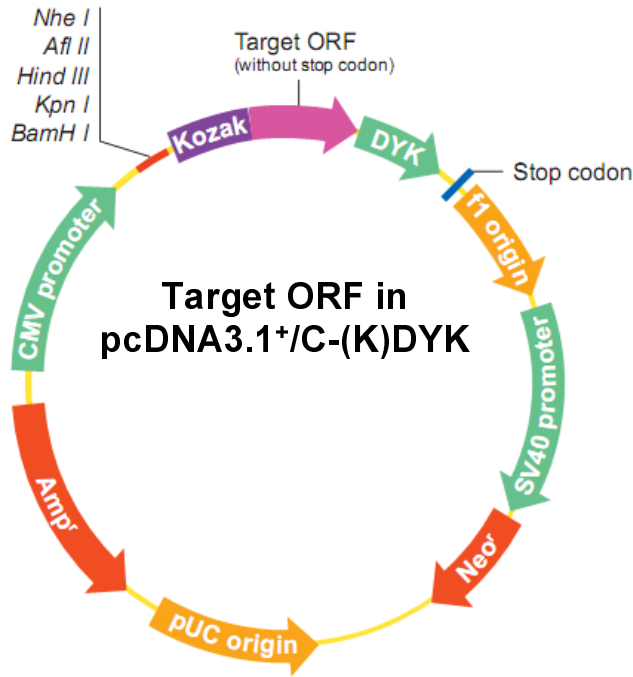
Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

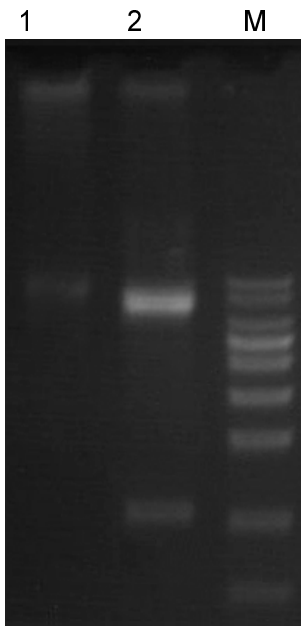
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

The ORF was cloned in pcDNA3.1<sup>+</sup>/C-(K)DYK by CloneEZ.

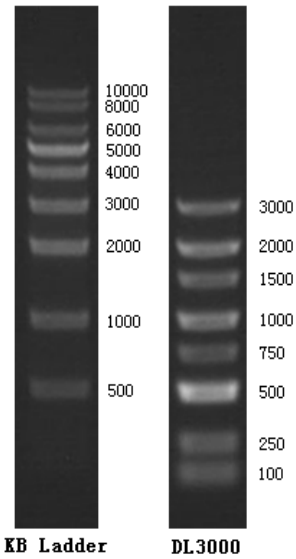


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu25055D plasmid  
Lane 2: OHu25055D plasmid digested by HindIII

**Digestion Conditions:**  
~ 300ng plasmid digested  
Digestion in water-bath, 37°C for 40 minutes  
1% Agarose Gel



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**Original ORF Sequence (Including start and stop codons)**

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ATGAAGGAAG AAAATGTCAA AACTGTCTG ATGAACCCAA ACATTGCATC AGTCCAGACC AATGAGGTGG GCTTAAAGCA AGCGGATACT GTCTACTTTC
TTCCCATCAC CCCTCAGTTT GTCACAGAGG TCATCAAGGC AGAACAGCCA GATGGGTAA TTCTGGGCAT GGGTGGCCAG ACAGCTCTGA ACTGTGGAGT
GGAACTATTC AAGAGAGGTG TGCTCAAGGA ATATGGTGTG AAAGTCTGG GAACTTCAGT TGAGTCCATT ATGGCTACGG AAGACAGGCA GCTGTTTTCA
GATAAACTAA ATGAGATCAA TGAAAAGATT GCTCCAAGTT TTGCAGTGGG ATCGATTGAG GATGCACTGA AGGCAGCAGA CACCATTGGC TACCCAGTGA
TGATCCGTTT CGCCTATGCA CTGGGTGGGT TAGGCTCAGG CATCTGTCCC AACAGAGAGA CTTTGATGGA CCTCAGCACA AAGGCCTTTG CTATGACCAA
CCAAATTCTG GTGGAGAAGT CAGTGACAGG TTGGAAAAGAA ATAGAATATG AAGTGGTTCG AGATGCTGAT GACAATGTG TCACTGTCTG TAACATGGAA
AATGTTGATG CCATGGGTGT TCACACAGGT GACTCAGTTG TTGTGGCTCC TGCCAGACA CTCTCCAATG CCGAGTTTCA GATGTTGAGA CGTACTTCAA
TCAATGTTGT TCGCCACTTG GGCATTGTGG GTGAATGCAA CATTCAAGTT GCCCTTCATC CTACCTCAAT GGAATACTGC ATCATTGAAG TGAATGCCAG
ACTGTCCCGA AGCTCTGCTC TGGCCTCAAA AGCCACTGGC TACCCATTGG CATTCAATGC TGCAAAGATT GCCCTAGGAA TCCCACTTCC AGAAATTAAG
AACGTGCTAT CCGGAAGAC ATCAGCCTGT TTTGAACCTA GCCTGGATTA CATGGTCACC AAGATTCCCC GCTGGGATCT TGACCGTTTT CATGGAACAT
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ATCTATAGAA GGTTTCACTC CCCGCTCTCC AATGAACAAA GAATGGCCAT CTAATTTAGA TCTTAGAAAA GAGTTGTCTG AACCAAGCAG CACGCGTATC
TATGCCATTG CCAAGGCCAT TGATGACAAC ATGTCCCTTG ATGAGATTGA GAAGTCCACA TACATTGACA AGTGGTTTTT GTATAAGATG CGTGATATTT
TAAACATGGA AAAGACACTG AAAGGCCTCA ACAGTGAGTC CATGCAGAA GAAACCCTGA AAAGGGCAA GGAGATTGGG TTCTCAGATA AGCAGATTTT
AAAATGCCTT GGGCTCACTG AGGCCAGAC AAGGGAGCTG AGGTTAAAGA AAAACATCCA CCCTTGGGTT AAACAGATTG ATACACTGGC TGCAGAATAC
CCATCAGTAA CAAACTATCT CTATGTTACC TACAATGGTC AGGAGCATGA TGCAATTTT GATGACCATG GAATGATGGT GCTAGGCTGT GTCCATATC
ACATTTGGCAG CAGTGTGGAA TTTGATTGGT GTGCTGTCTC TAGTATCCGC ACACTGGCTC AACTTGGCAA GAAGACGGTG GTGGTGAATT GCAATCCTGA
GACTGTGAGC ACAGACTTTG ATGAGTGTGA CAAACTGTAC TTTGAAGAGT TGTCTTGGGA GAGAATCCTA GACATCTACC ATCAGGAGGC ATGTGGTGGC
TGCATCATAT CAGTTGGAGG CCAGATTCCA AACAACTGG CAGTTCCTCT ATACAAGAAT GGTGTCAAGA TCATGGGCAC AAGCCCCCTG CAGATCGACA
GGGCTGAGGA TCGCTCCATC TTCTCAGCTG TCTTGGATGA GCTGAAGGTG GCTCAGGCAC CTTGGAAAGC TGTAAATACT TTGAATGAAG CACTGGAATT
TGCAAAGTCT GTGGACTACC CCTGCTTGTG GAGGCCTTCC TATGTTTTGA GTGGGTCTGC TATGAATGTG GTATTCTCTG AGGATGAGAT GAAAAAATTC
CTAGAAGAGG CGACTAGAGT TTCTCAGGAG CACCCAGTGG TGCTGACAAA ATTTGTTGAA GGGGCCGAG AAGTAGAAAT GGACGCTGTT GGCAAAGATG
GAAGGGTTAT CTCTCATGCC ATCTCTGAAC ATGTTGAAGA TGCAGGTGTC CACTCGGGAG ATGCCACTCT GATGCTGCC ACACAAACCA TCAGCCAAGG
GGCCATTGAA AAGGTGAAGG ATGCTACCCG GAAGATTGCA AAGGCTTTTG CCATCTCTGG TCCATTCAAC GTCCAATTC TTGTCAAAGG AAATGATGTC
TTGGTGATTG AGTGTAACCT GAGAGCTTCT CGATCCTTCC CCTTTGTTTC CAAGACTCTT GGGGTGACT TCATTGATGT GGCCACCAAG GTGATGATTG
GAGAGAATGT TGATGAGAAA CATCTTCCAA CATTGGACCA TCCCAATAAT CTTGCTGACT ATGTTGCAAT TAAGGCTCCC ATGTTTTCTT GGCCCCGTTT
GAGGGATGCT GACCCCATTC TGAGATGTGA GATGGCTTCC ACTGGAGAGG TGGCTTGCTT TGGTGAAGGT ATTCATACAG CCTTCTAAA GGCAATGCTT
TCCACAGGAT TTAAGATACC CCAGAAAGGC ATCCTGATAG GCATCCAGCA ATCATCCCGG CCAAGATTCC TTGGTGTGGC TGAACAATTA CACAATGAAG
GTTTCAAGCT GTTTGCCACG GAAGCCACAT CAGACTGGCT CAACGCCAAC AATGTCCCTG CCACCCAGT GGCATGGCCG TCTCAAGAAG GACAGAAATC
CAGCCTCTCT TCCATCAGAA AATTGATTAG AGATGGCAGC ATTGACCTAG TGATTAACCT TCCCAACAAC AACACTAAAT TTGTCCATGA TAATTATGTG
ATTCCGAGGA CAGCTGTTGA TAGTGGAAATC CCTCTCTCA CTAATTTTCA GGTGACCAAA CTTTTTGCTG AAGCTGTGCA GAAATCTCGC AAGGTGGACT
CCAAGAGTCT TTTCCACTAC AGGCAGTACA GTGCTGGAAA AGCAGCATAG
  
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