

# Certificate of Analysis

**Product ID:** OHu09457D **Lot. No.:** 9101106-1/H15235  
**Product Information:**  
**Gene Symbol:** NT5C1B **Accession No.:** NM\_001199087  
**Cloning Vector:** pcDNA3.1<sup>+</sup>/C-(K)DYK **Gene Length\*:** 1884 bp  
**Cloning Strategy:** CloneEZ **Plasmid Size:** 7274 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: 04/20/2017

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

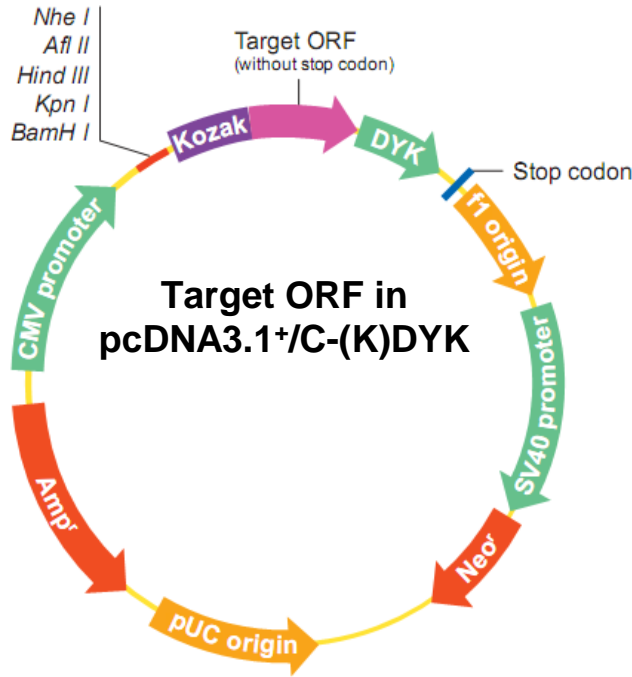
Fax: 1-732-210-0262

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

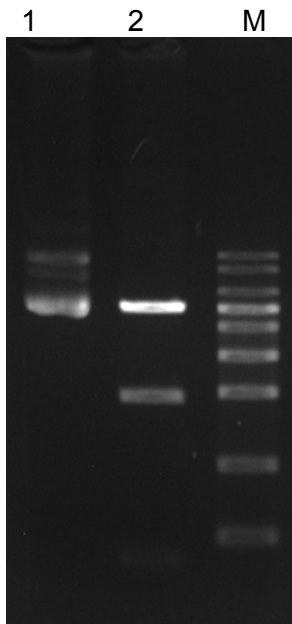
Web: [www.genscript.com](http://www.genscript.com)

**Plasmid Construct Map**

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

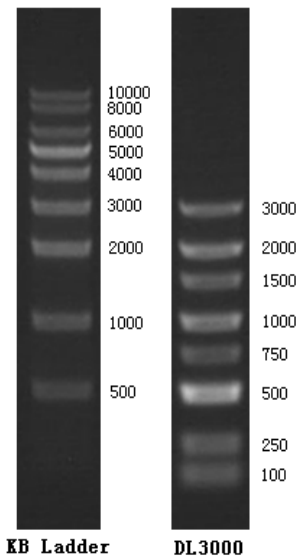


**Enzyme Digestion**



Lane M: KB Ladder  
Lane 1: OHu09457D plasmid  
Lane 2: OHu09457D plasmid digested  
by SmaI

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



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## Attachment 2

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

```
ATGAGTCAAA CATCTCTCAA ACAGAAAAAG AATGAGCCTG GAATGAGGTC CTCAAAAGAG AGTCTAGAAG CAGAAAAAAG AAAGGAATCT GACAAAACAG
GAGTTTCGTCT GAGCAATCAG ATGAGGCGTG CAGTCAATCC GAATCACTCG CTGAGATGTT GCCCCTTCCA GGGTCACTCG TCGTGTAGAC GCTGCCTTTG
TGCAGCTGAG GGAACAGCCC TTGGCCCTG CCACACAATA CGTATTTATA TTCACATGTG CCTGTTGTGG GAGCAGGGCC AGCAGATCAC CATGATGAGG
GTGAGCAGAG ATCACACTAC CGATTCTGGA GGGGAACCAC AGACAACCTG GGGATCACAA GAATCATCAC TGCGGAAGAC AGACTCTCGA GGGTACCTTG
TGGCAGTCA ATGGTCTAGA ATATCCCGGA GCCCATCCAC CAAGGCTCCA TCCATAGATG AGCCTAGAAG CAGGAACACC AGTGCTAAGC TCCCCAGCAG
CTCCACGAGC TCCCGACTC CATCCACCTC CCCAAGCCTG CATGACTCCT CACCGCCGCC GCTGTCCGGG CAGCCCTCGC TCCAGCCACC CGCGTCGCC
CAGCTGCCCC GGTGCTGGA CTCGCGCCT CCCACGCCCC CAGAGCCCGA TCCTGGCTCC CGGCGCAGCA CAAAATGCA AGAGAATCCG GAGGCCTGGG
CCCAAGGCAT CGTGCGGAA ATCCGCCAGA CCGGGACTC GCAGCCGCTG GAATATTCGC GCACGTCCC CACCGAGTGG AAGTCTCCA GCCAGCGCAG
GGGATCTAC CCCGCTCCA CCCAGCTGGA CCGCAACTCT CTGTCCGAGC AGCAGCAGCA GCAGCGGGAG GACGAGGACG ACTACGAGGC TGCCTACTGG
GCATCCATGA GGTGTTCTA CGAGAAGAAC CCGAGCTGCT CGCGCCCCTG GCCGCCAAA CCAAGAAGC CCATCACCAT TGCTCTCTCA TCCTGCGCGC
TCTTCAACAT GGTGACGGC AGGAAAATCT ACGAGCAAGA GGGTCTGGAA AAGTACATGG AGTATCAGCT CACCAATGAG AACGTCATCC TGACCCCGGG
CCCGCGTTC CGTTTCGTA AGGCACTACA GTATGTCAAT GCTAGACTCC GTGATCTATA TCCTGATGAA CAGGACTTAT TTGATATTGT ACTGATGACT
AATAACCATG CCCAAGTGGG AGTGCGGCTT ATAAACAGCG TCAATCACTA CGGTTACTG ATTGACCGCT TCTGTCTGAC CGGGGAAAA GACCCATTG
GCTATTTGAA GGCATATCTT ACCAACTTGT ATATTGCTGC AGATTCTGAA AAAGTGCAAG AGGCAATACA AGAAGGTATT GCCTCTGCGA CAATGTTTGA
TGGAGCCAAA GACATGGCTT ACTGTGACAC TCAGTCCGT GTAGCCTTG ATGGGATGC TGTCTCTTC TCTGATGAGT CTGAACATTT TACCAAGGAG
CATGGGCTCG ACAAAATCTT CCAGTATGAT ACATTATGTG AAAGTAAGCC TCTTGCTCAG GGTCCCCTAA AAGGCTTCT GGAAGATTTA GGCAGACTGC
AAAAGAAGTT CTATGCCAAA AATGAACGGT TACTTTGTCC TATCAGGACC TACCTGGTTA CAGTAGGAG TGCAGCCAGT TCAGGCGCCC GTGTGCTGAA
GACCCTCGA CGCTGGGTC TAGAGATAGA CGAAGCTCTT TTCCTTGCTG GAGCCCCAA AAGTCCATC TTGGTGAAGA TCCGCCCCA CATCTCTTT
GATGACCACA TGTCCACAT TGAAGGGCA CAGAGGTTAG GTTCCATCGC AGCTTATGGC TTAATAAAA AATTCAGTAG TTAG
```

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