

# Certificate of Analysis

Product ID: OHu15103D Lot. No.: 774760-348/P59092

Product Information:

Gene Symbol: KCNG3 Accession No.: NM\_133329

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1311 bp

Cloning Strategy: CloneEZ Plasmid size: 6701 bp

Antibiotic resistance: Ampicillin, recommended concentration: 50µg/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: 12/15/2015

Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

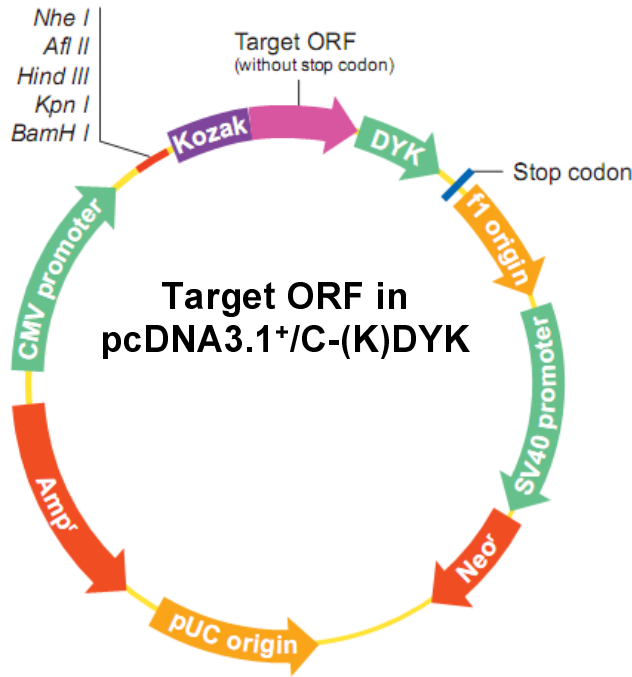
Fax: 1-732-210-0262

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

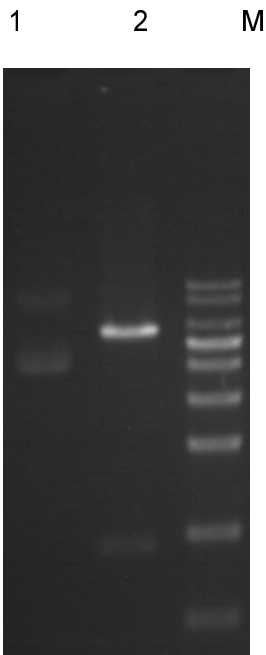
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

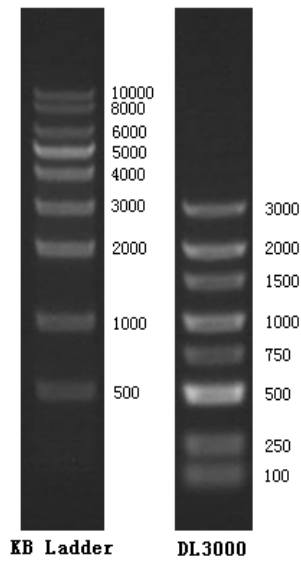


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu15103D plasmid  
Lane 2: OHu15103D 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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**Attachment 2****Original ORF Sequence (Including start and stop codons)**

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ATGACCTTCG GGCAGCGG GCGGCCTCG GTGGTGCTGA ACGTGGGCGG CGCCCGGTAT TCGCTGTCCC GGGAGCTGCT GAAGGACTTC CCGCTGCGCC
GCGTGAGCCG GCTGCACGGC TGCCGCTCCG AGCGCGACGT GCTCGAGGTG TGCAGGACT ACGACCGCGA GCGCAACGAG TACTTCTTCG ACCGGCACTC
GGAGGCCTTC GGCTTCATCC TGCTCTACGT GCGCGGCCAC GGCAAGCTGC GCTTCGCGCC GCGGATGTGC GAGCTCTCCT TCTACAACGA GATGATCTAC
TGGGGCCTGG AGGGCGCGCA CCTCGAGTAC TGCTGCCAGC GCCGCCTCGA CGACCGCATG TCCGACACCT ACACCTTCTA CTCGGCCGAC GAGCCGGGGC
TGCTGGGCGG CGACGAGGCG CGCCCCGGCG GGGCCGAGGC GGCTCCCTCC AGGCGCTGGC TGGAGCGCAT GCGGGCGACC TTCGAGGAGC CCACGTCGTC
GCTGGCCCGG CAGATCCTGG CTAGCGTGTC GGTGGTGTTC GTGATCGTGT CCATGGTGGT GCTGTGCGCC AGCACGTTGC CCGACTGGCG CAACGCAGCC
GCCGACAACC GCAGCCTGGA TGACCGGAGC AGGTACTCCG CCGGCCCTGG GAGGGAGCCC TCCGGGATAA TTGAAGCTAT CTGCATAGGT TGGTTCACTG
CCGAGTGCAT CGTGAGGTTT ATTGTCTCCA AAAACAAGTG TGAGTTTGTG AAGAGACCCC TGAACATCAT TGATTTACTG GCAATCACGC CGTATTACAT
CTCTGTGTTG ATGACAGTGT TTACAGGCGA GAACTCTCAA CTCCAGAGGG CTGGAGTCAC CTTGAGGGTA CTAGAATGA TGAGGATTTT TTGGGTGATT
AAGCTTGCCC GTCACCTCAT TGGTCTTCAG AACTCGGTT TGAATCTCAA ACGTTGCTAC CGAGAGATGG TTATGTTACT TGTCTTCATT TGTGTTGCCA
TGGCAATCTT TAGTGACTT TCTCAGCTTC TTGAACATGG GCTGGACCTG GAAACATCCA ACAAGGACTT TACCAGCATT CCTGCTGCCT GCTGGTGGGT
GATTATCTCT ATGACTACAG TTGGCTATGG AGATATGTAT CCTATCACAG TGCCTGGAAG AATTCTTGGG GGAGTTTGTG TTGTCAGTGG AATTGTTCTA
TTGGCATTAC CTATCACTTT TATCTACCAT AGCTTTGTGC AGTGTATCA TGAGCTCAAG TTTAGATCTG CTAGGTATAG TAGGAGCCTC TCCACTGAAT
TCCTGAATTA A
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