

# Certificate of Analysis

**Product ID:** OHu06738D **Lot. No.:** 817288933-1/F91511  
**Product Information:**  
**Gene Symbol:** KRT222 **Accession No.:** NM\_152349  
**Cloning Vector:** pcDNA3.1<sup>+</sup>/C-(K)DYK **Gene Length\*:** 888 bp  
**Cloning Strategy:** CloneEZ **Plasmid Size:** 6278 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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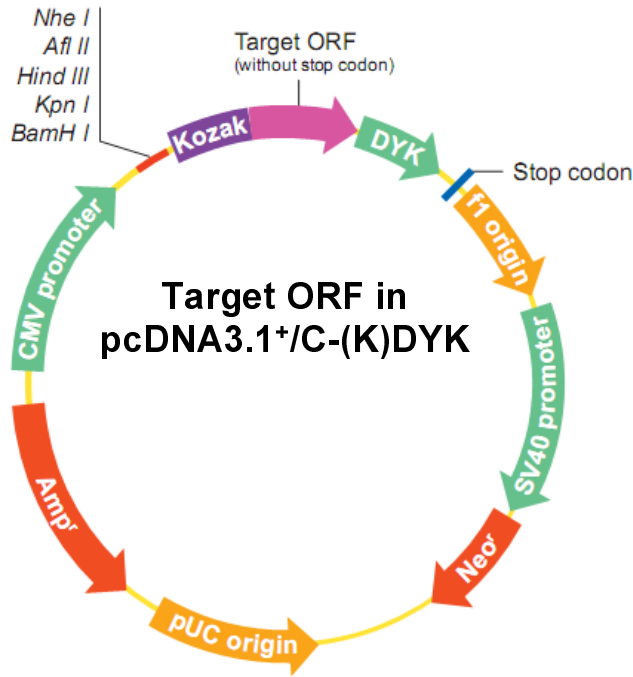
Fax: 1-732-210-0262

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

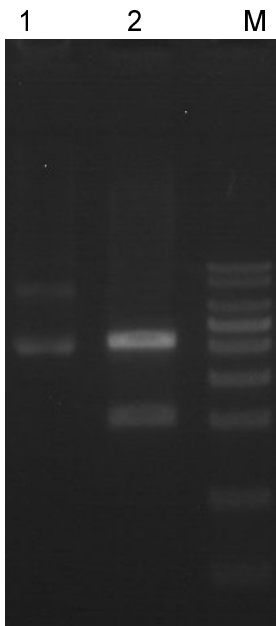
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Plasmid Construct Map

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

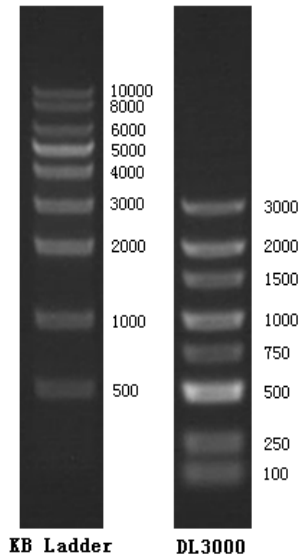


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu06738D plasmid  
Lane 2: OHu06738D plasmid digested by HindIII and 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)**

```
ATGGAAGTGT CCCAGTACT CAATGAGATC AGGGCAAAC ATGAAAAGAT CCTCACCAGA AATCAGATAG AGACGGTGCT CTCAACAAGG ATCCAGCTAG
AAGAAGACAT AAGCAAAAA ATGGACAAAG ATGAAGAGGC TTTGAAGGCA GCTCAAGCAG AACTCAAGGA GGCCCGACGC CAGTGGCACC ACCTGCAAGT
GGAAATTGAA TCTCTCCATG CTGTGGAAAG GGGCCTTGAA AACTCCCTAC ATGCCAGCGA GCAGCATTAC CAGATGCAGC TGCAAGACCT AGAGACTGTG
ATTGAAGGAC TAGAAAAAGA GCTACAGGAA GTAAGGCGCG GCATCGAAAA GCAGCTTCAA GAGCAGGAGA TGCTTCTCAA CACGAAGATG AGGCTGGAAC
AAGAAATAGC AACTTATCGC CACCTCCTAG AAAAAGAAGA AATCAGATAT TATGGTTGTA TCCAAGGTGG GAAAAAAGAC AAAAAGCCTA CCACAAGTAG
AGTTGGTTTT GTTTTACCAT CAGCCATTAT AAATGAAATA TCTTTACTA CAAAAGTCCC ACAAAGTAT GAGAATGAAA ATGTAGAAAC AGTAACCAA
CAGGCAATCT TAAATGGGAG TATCGTTAAG GAGAGCACTG AAGCTCATGG CACTATTCAG ACAGAGAAAG TGGATGAAGT TATTAAAGAA TGGGAAGGTT
CTTCTTTAA AGATAACCCT CGATTGAGGA AAAAGTCTGT TTCTCTCGA TTTGATCTTC ATTTAGCAGC CACTGATGAA GGGTGTTTAG AGACTAAGCA
GGATAATCTA CCAGATATAG AAGTCAGGCT TATCATGAGA AGATCATGCA GTATCCCTC TATCAAACCT CCATCAACAG CTAATTA
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