

Certificate of Analysis

Project ID:	<u>OHU00254D</u>	Lot. No.:	<u>HP7753A</u>
Product Information:			
Gene Symbol:	<u>PTK6</u>	Accession No.:	<u>NM_005975</u>
Cloning Vector:	<u>pcDNA3.1+/C-(K)DYK</u>	Gene Length*:	<u>1353 bp</u>
Cloning Strategy:	<u>CloneEZ</u>	Plasmid Size:	<u>6743 bp</u>
Antibiotic Resistance:	<u>Ampicillin, recommended concentration: 50 µg/ml</u>	Amount:	<u>10 µg</u>
Competent cell:	<u>TOP10</u>	Growth Temperature:	<u>37 °C</u>

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	
Sequence Accuracy	Sanger sequencing verification to the inserted gene.	Pass	Consistent
Vector Sequence	The flanking sequences of the cloning site are correct.	Pass	Correct
			Shown in the SQD file
Restriction Digests	Expected size bands detected in agarose gel electrophoresis.	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=1.97
			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	N/A	

Certified by:



Date: 03/10/2022

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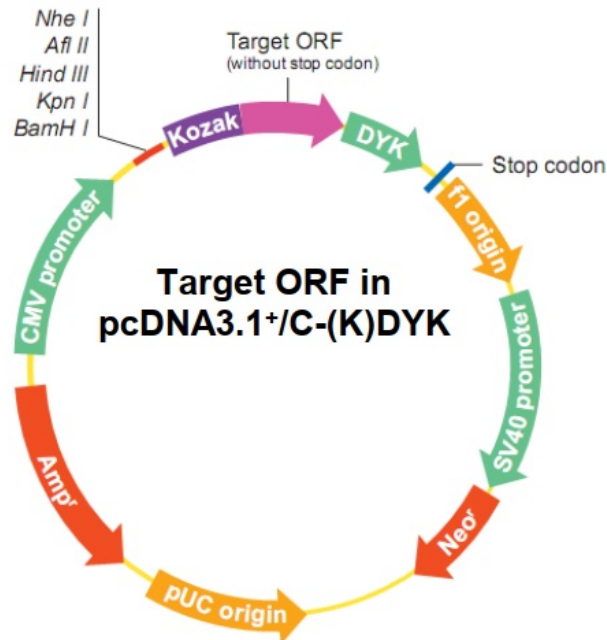
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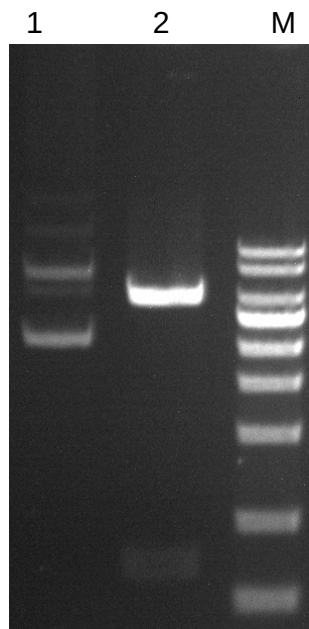
Attachment 1

Plasmid Construct Map

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



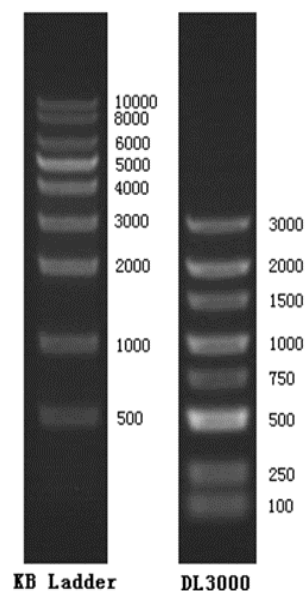
Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHU00254D plasmid
Lane 2: OHU00254D plasmid digested
by HindIII and MluI

Restriction digest of plasmid DNA:

About 200-1000 ng of plasmid was digested
at 37°C for 30-60 minutes and analyzed on
1% Agarose Gel



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Attachment 2
Original ORF Sequence

The stop codons will be deleted if pcDNA3.1+/C-(K)DYK vector is selected.

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ATGGTGTCCC GGGACCAGGC TCACCTGGGC CCCAAGTATG TGGCCTCTG GGAATTCAAG TCCCGGACGG ACGAGGAGCT GAGCTTCCGC GCGGGGGACG
TCTTCCACGT GGCCAGGAAG GAGGAGCAGT GGTGGTGGGC CACGCTGCTG GACGAGGCGG GTGGGGCCGT GGCCAGGGC TATGTGCCCC ACAACTACCT
GGCCGAGAGG GAGACGGTGG AGTCGGAACC GTGGTTCTTT GGCTGCATCT CCCGCTCGGA AGCTGTGCGT CGGCTGCAGG CCGAGGGCAA CGCCACGGGC
GCCTTCCTGA TCAGGGTCAG CGAGAAGCCG AGTGCCGACT ACGTCCTGTC GGTGCGGGAC ACGCAGGCTG TGCGGCACTA CAAGATCTGG CGGCGTGCCG
GGGGCCGGCT GCACCTGAAC GAGGCGGTGT CTTTCCTCAG CCTGCCCGAG CTTGTGAACCT ACCACAGGGC CCAGAGCCTG TCCCACGGCC TCGGGCTGGC
CGCGCCCTGC CGGAAGCACG AGCCTGAGCC CTTGCCCAT TGGGATGACT GGGAGAGGCC GAGGGAGGAG TTCACGCTCT GCAGGAAGCT GGGGTCCGGC
TACTTTGGGG AGGTCTTCGA GGGGCTCTGG AAAGACCGGG TCCAGGTGGC CATTAAAGTG ATTTCTCGAG ACAACCTCCT GCACCAGCAG ATGCTGCACT
CGGAGATCCA GGCCATGAAG AAGCTGCGGC ACAAACACAT CCTGGCGCTG TACGCCGTGG TGTCCGTGGG GGACCCCGTG TACATCATCA CGGAGCTCAT
GGCCAAGGGC AGCCTGCTGG AGCTGCTCCG CGACTCTGAT GAGAAAGTCC TGCCCGTTTC GGAGCTGCTG GACATCGCCT GGCAGGTGGC TGAGGGCATG
TGTTACCTGG AGTCGCAGAA TTACATCCAC CGGGACCTGG CCGCCAGGAA CATCCTCGTC GGGGAAAACA CCCTCTGCAA AGTTGGGGAC TTCGGGTTAG
CCAGGCTTAT CAAGGAGGAC GTCTACCTCT CCCATGACCA CAATATCCCC TACAAGTGGA CGGCCCTGA AGCGCTCTCC CGAGGCCATT ACTCCACCAA
ATCCGACGTC TGGTCCTTTG GGATTCTCCT GCATGAGATG TTCAGCAGGG GTCAGGTGCC CTACCCAGGC ATGTCCAACC ATGAGGCCTT CCTGAGGGTG
GACGCCGGCT ACCGCATGCC CTGCCCTCTG GAGTGCCCGC CCAGCGTGCA CAAGCTGATG CTGACATGCT GGTGCAGGGA CCCCAGCAG AGACCCTGCT
TCAAGGCCCT GCGGGAGAGG CTCTCCAGCT TCACCAGCTA CGAGAACCCG ACC
  
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