

# Certificate of Analysis

Product ID: OHu17864D Lot. No.: 817240009-1/H27994

Product Information:

Gene Symbol: PTPN2 Accession No.: NM\_080422

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1164 bp

Cloning Strategy: CloneEZ Plasmid Size: 6554 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: 09/01/2016

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).

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

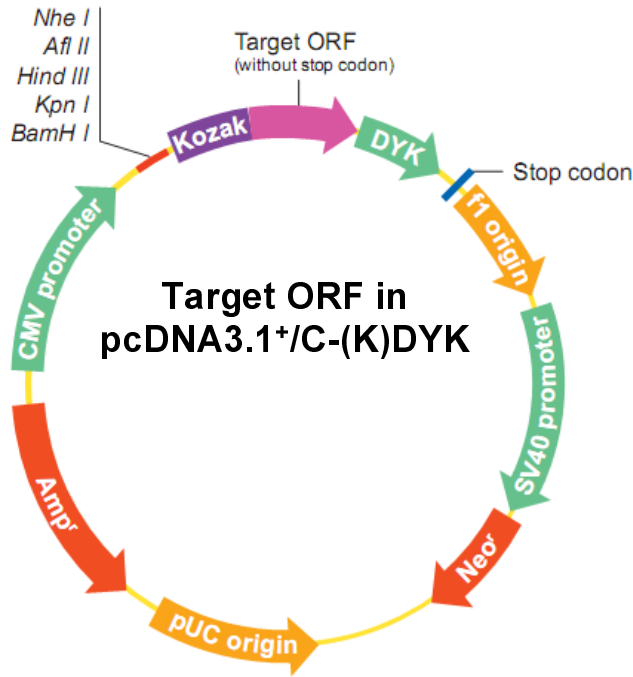
Fax: 1-732-210-0262

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

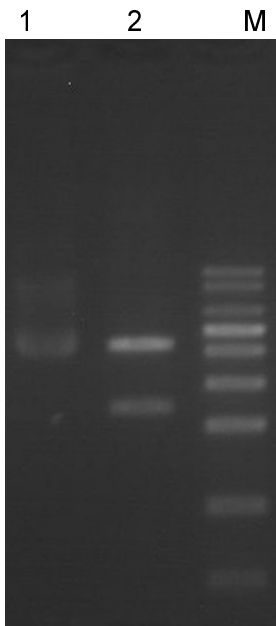
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

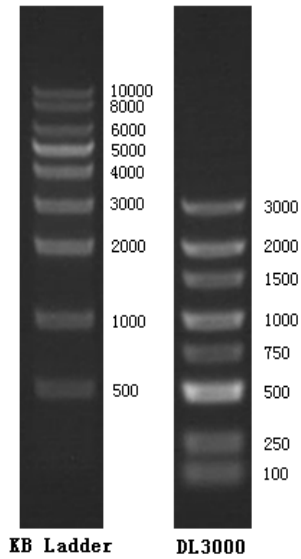


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu17864D plasmid  
Lane 2: OHu17864D plasmid digested by HindIII and SmaI

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



For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

**Attachment 2****Original ORF Sequence (Including start and stop codons)**

```
ATGCCACCA CCATCGAGCG GGAGTTCGAA GAGTTGGATA CTCAGCGTCG CTGGCAGCCG CTGTA CTGG AAATTCGAAA TGAGTCCCAT GACTATCCTC
ATAGAGTGGC CAAGTTTCCA GAAAACAGAA ATCGAAACAG ATACAGAGAT GTAAGCCCAT ATGATCACAG TCGTGTAAA CTGCAAAATG CTGAGAATGA
TTATATTAAT GCCAGTTTAG TTGACATAGA AGAGGCACAA AGGAGTTACA TCTTAACACA GGGTCCACTT CCTAACACAT GCTGCCATTT CTGGCTTATG
GTTTGGCAGC AGAAGACCAA AGCAGTTGTC ATGCTGAACC GCATTGTGGA GAAAGAATCG GTTAAATGTG CACAGTACTG GCCAACAGAT GACCAAGAGA
TGCTGTTAA AGAAACAGGA TTCAGTGTGA AGCTCTTGTC AGAAGATGTG AAGTCGTATT ATACAGTACA TCTACTACAA TTAGAAAATA TCAATAGTGG
TGAAACCAGA ACAATATCTC ACTTTCATTA TACTACCTGG CCAGATTTTG GAGTCCCTGA ATCACCAGCT TCATTTCTCA ATTTCTTGT TAAAGTGAGA
GAATCTGGCT CCTTGAACCC TGACCATGGG CCTGCGGTGA TCCACTGTAG TGCAGGCATT GGGCGCTCTG GCACCTTCTC TCTGGTAGAC ACTTGTCTTG
TTTTGATGGA AAAAGGAGAT GATATTAACA TAAAACAAGT GTTACTGAAC ATGAGAAAAT ACCGAATGGG TCTTATTCAG ACCCCAGATC AACTGAGATT
CTCATACATG GCTATAATAG AAGGAGCAAA ATGTATAAAG GGAGATTCTA GTATACAGAA ACGATGAAA GAACCTTCTA AGGAAGACTT ATCTCCTGCC
TTTGATCATT CACCAAACAA AATAATGACT GAAAAATACA ATGGGAACAG AATAGGTCTA GAAGAAGAAA AACTGACAGG TGACCGATGT ACAGGACTTT
CCTCTAAAT GCAAGATACA ATGGAGGAGA ACAGTGAGAG TGCTTACGG AAACGTATTC GAGAGGACAG AAAGGCCACC ACAGCTCAGA AGGTGCAGCA
GATGAAACAG AGGCTAAATG AGAATGAACG AAAAAGAAAA AGGCCAAGAT TGACAGACAC CTA
```

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

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)