

# Certificate of Analysis

Product ID: OHu18729D Lot. No.: 740024-790/B18911

Product Information:

Gene Symbol: UGT1A1 Accession No.: NM\_000463

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1602 bp

Cloning Strategy: CloneEZ Plasmid size: 6992 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

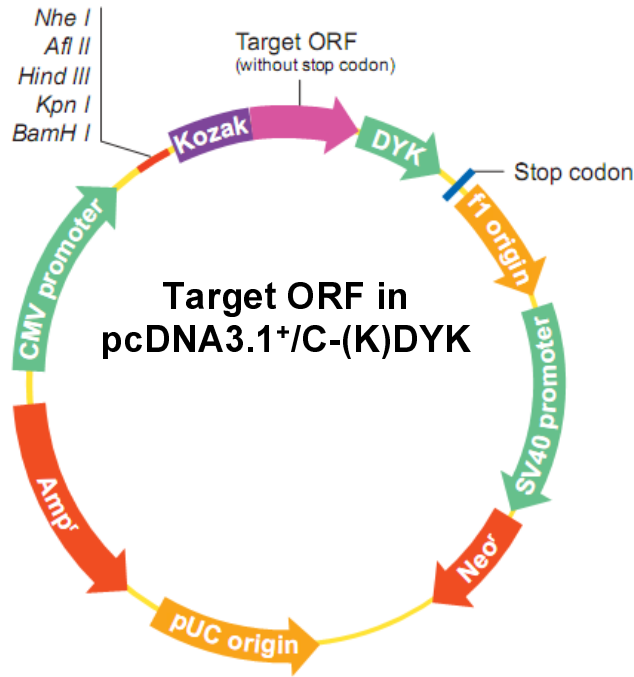
Fax: 1-732-210-0262

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

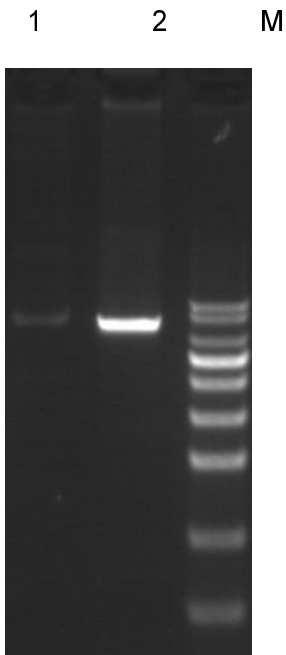
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

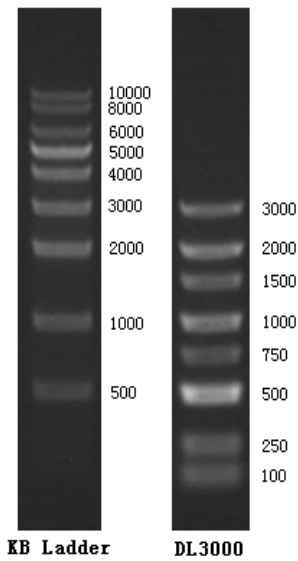


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu18729D plasmid  
Lane 2: OHu18729D plasmid digested by MluI

**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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ATGGCTGTGG AGTCCCAGGG CGGACGCCA CTTGTCCTGG GCCTGCTGCT GTGTGTGCTG GCGCCAGTGG TGTCCCATGC TGGGAAGATA CTGTTGATCC
CAGTGGATGG CAGCCACTGG CTGAGCATGC TTGGGGCCAT CCAGCAGCTG CAGCAGAGGG GACATGAAAT AGTTGTCCTA GCACCTGACG CCTCGTTGTA
CATCAGAGAC GGAGCATTTT ACACCTTGAA GACGTACCCT GTGCCATTCC AAAGGGAGGA TGTGAAAGAG TCTTTTGTTA GTCTCGGGCA TAATGTTTTT
GAGAATGATT CTTTCTGCA GCGTGTGATC AAAACATACA AGAAAATAAA AAAGGACTCT GCTATGCTTT TGTCTGGCTG TTCCCACTTA CTGCACAACA
AGGAGCTCAT GGCCTCCCTG GCAGAAAGCA GCTTTGATGT CATGCTGACG GACCCTTTC TCCCTTGACG CCCCATCGTG GCCCAGTACC TGTCTCTGCC
CACTGTATTG TTCTTGCATG CACTGCCATG CAGCCTGGAA TTTGAGGCTA CCCAGTGCCC CAACCCATTG TCCTACGTGC CCAGGCTCT CTCTCTCAT
TCAGATCACA TGACCTTCCT GCAGCGGGTG AAGAACATGC TCATTGCCTT TTCACAGAAC TTTCTGTGCG ACGTGGTTTA TTCCCCTGAT GCAACCCTTG
CCTCAGAATT CCTTCAGAGA GAGGTGACTG TCCAGGACCT ATTGAGCTCT GCATCTGTCT GGCTGTTTAG AAGTACTTT GTGAAGGATT ACCCTAGGCC
CATCATGCC AATATGGTTT TTGTTGGTGG AATCAACTGC CTTCAACAAA ATCCAATATC CCAGGAATT GAAGCCTACA TTAATGCTTC TGGAGAACAT
GGAATTGTGG TTTTCTCTTT GGGATCAATG GTCTCAGAAA TTCCAGAGAA GAAAGCTATG GCAATTGCTG ATGCTTTGGG CAAAATCCCT CAGACAGTCC
TGTGGCGGTA CACTGGAACC CGACCATCGA ATCTTGCAG CAACACGATA CTTGTTAAGT GGCTACCCCA AAACGATCTG CTTGGTCACC CGATGACCCG
TGCTTTATC ACCCATGCTG GTTCCCATGG TGTTTATGAA AGCATATGCA ATGGCGTTC CATGGTGATG ATGCCCTGT TTGGTGATCA GATGGACAAT
GCAAAGCGCA TGGAGACTAA GGGAGCTGGA GTGACCTGA ATGTTCTGGA AATGACTTCT GAAGATTTAG AAAATGCTCT AAAAGCAGTC ATCAATGACA
AAAGTTACAA GGAGAACATC ATGCGCCTCT CCAGCCTCA CAAGGACCGC CCGGTGGAGC CGCTGGACCT GGCCGTGTTT TGGGTGGAGT TTGTGATGAG
GCACAAGGC GCGCCACACC TGGCCCCGC AGCCACGAC CTCACCTGGT ACCAGTACCA TTCCTGGAC GTGATTGGTT TCCTCTTGGC CGTCGTGCTG
ACAGTGGCCT TCATCACCTT TAAATGTTGT GCTTATGGCT ACCGAAATG CTTGGGGAAA AAAGGGCGAG TTAAGAAAGC CCACAAATCC AAGACCCATT
GA
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