

# Certificate of Analysis

Product ID: OHu20255D Lot. No.: 774762-250/C84193

Product Information:

Gene Symbol: TRPM8 Accession No.: NM\_024080

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 3315 bp

Cloning Strategy: CloneEZ Plasmid size: 8705 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

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Tel: 1-732-885-9188

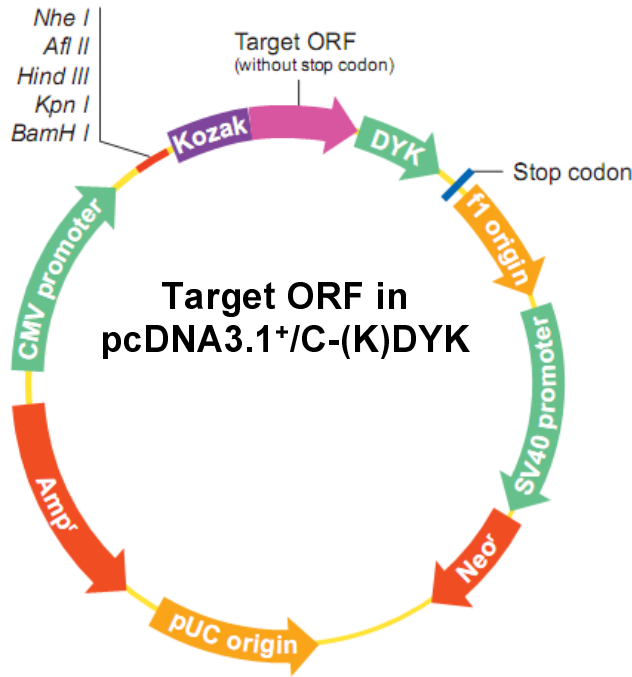
Fax: 1-732-210-0262

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

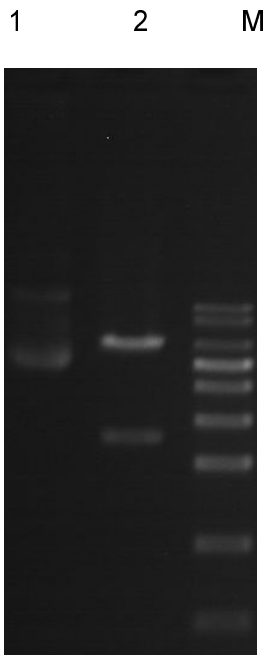
Web: [www.genscript.com](http://www.genscript.com)

**Plasmid Construct Map**

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

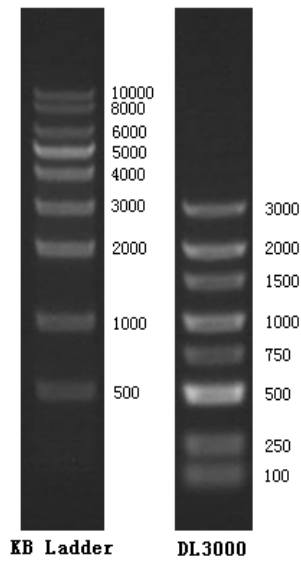


**Enzyme Digestion**



Lane M: KB Ladder  
Lane 1: OHu20255D plasmid  
Lane 2: OHu20255D plasmid digested by SmaI

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



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

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ATGTCCTTTC GGGCAGCCAG GCTCAGCATG AGGAACAGAA GGAATGACAC TCTGGACAGC ACCCGGACCC TGTACTCCAG CGCGTCTCGG AGCACAGACT
TGTCCTACAG TGAAAGCGAC TTGGTGAATT TTATTCAAGC AAATTTAAG AAACGAGAAT GTGTCTTCTT TACCAAAGAT TCCAAGGCCA CGGAGAATGT
GTGCAAGTGT GGCTATGCCC AGAGCCAGCA CATGGAAGGC ACCCAGATCA ACCAAAGTGA GAAATGGAAC TACAAGAAAC ACACCAAGGA ATTTCTTACC
GACGCCTTTG GGGATATTCA GTTTGAGACA CTGGGGAAGA AAGGGAAGTA TATACGTCTG TCCTGCGACA CGGACGCGGA AATCCTTTAC GAGCTGCTGA
CCCAGCACTG GCACCTGAAA ACACCCAACC TGGTCATTTT TGTGACCGGG GCGGCCAAGA ACTTCGCCCT GAAGCCGCGC ATGCGCAAGA TCTTCAGCCG
GCTCATCTAC ATCGCGCAGT CCAAAGGTGC TTGGATTCTC ACGGGAGGCA CCCATTATGG CCTGATGAAG TACATCGGGG AGTGGGTGAG AGATAACACC
ATCAGCAGGA GTTCAGAGGA GAATATTGTG GCCATTGGCA TAGCAGCTTG GGCATGGTC TCCAACCGGG ACACCCCTCAT CAGGAATTGC GATGCTGAGG
GCTATTTTTT AGCCCACTAC CTTATGGATG ACTTCACAAG AGATCCACTG TATATCCTGG ACAACAACCA CACACATTG CTGCTCGTGG ACAATGGCTG
TCATGGACAT CCCACTGTGC AAGCAAAGCT CCGGAATCAG CTAGAGAAGT ATATCTCTGA GCGCACTATT CAAGATTCCA ACTATGGTGG CAAGATCCCC
ATTGTGTGTT TTGCCCAAGG AGGTGGAAAA GAGACTTTGA AAGCCATCAA TACCTCCATC AAAAATAAAA TTCCTTGTGT GGTGGTGGAA GGCTCGGGCC
AGATCGCTGA TGTGATCGCT AGCCTGGTGG AGGTGGAGGA TGCCCTGACA TCTTCTGCCG TCAAGGAGAA GCTGGTGGCG TTTTACCCTC GCACGGTGTG
CCGGCTGCC T GAGGAGGAGA CTGAGAGTTG GATCAAATGG CTCAAAGAAA TTCTCGAATG TTCTCACCTA TTAACAGTTA TTAATGGA AGAAGCTGGG
GATGAAATTG TGAGCAATGC CATCTCCTAC GCTCTATAA AAGCCTTCAG CACCAGTGA G CAAGACAAGG ATAACCTGGA TGGGCAGCTG AAGCTTCTGC
TGGAGTGGAA CCAGCTGGAC TTAGCCAATG ATGAGATTTT CACCAATGAC CGCCGATGGG AGTCTGCTGA CCTCAAGAA GTCATGTTA CGGCTCTCAT
AAAGGACAGA CCCAAGTTTG TCCGCTCTT TCTGGAGAAT GGCTTGAACC TACGGAAGTT TCTCACCCAT GATGTCCTCA CTGAACCTCT CTCCAACCAC
TTCAGCACGC TTGTGTACCG GAATCTGCAG ATCGCCAAGA ATTCTATAA TGATGCCTC CTCACGTTTG TCTGAAAAT GGTGCGAAC TTCGGAAGAG
GCTTCCGGAA GGAAGACAGA AATGGCCGGG ACGAGATGGA CATAGAATC CAGGACGTGT CTCCTATTAC TCGGCACCCC CTGCAAGCTC TTTTCTCATG
GGCATTCTT CAGAATAAGA AGGAACTCTC CAAAGTCATT TGGGAGCAGA CCAGGGGCTG CACTCTGGCA GCCCTGGGAG CCAGCAAGCT TCTGAAGACT
CTGGCCAAAG TGAAGAACGA CATCAATGCT GCTGGGGAGT CCGAGGAGCT GGCTAATGAG TACGAGACCC GGGCTGTTGA GCTGTTCACT GAGTGTTACA
GCAGCGATGA AGACTTGGCA GAACAGCTGC TGGTCTATTC CTGTGAAGCT TGGGGTGGAA GCAACTGTCT GGAGCTGGCG GTGGAGGCCA CAGACCAGCA
TTTCATCGCC CAGCCTGGGG TCCAGAATTT TCTTTCTAAG CAATGGTATG GAGAGATTTT CCGAGACACC AAGAACTGGA AGATTATCCT GTGTCTGTTT
ATTATACCCT TGGTGGGCTG TGGCTTTGTA TCATTTAGGA AGAAACCTGT CGACAAGCAC AAGAAGCTGC TTTGGTACTA TGTGGCGTTC TTCACCTCCC
CCTTCGTGGT CTTCTCCTGG AATGTGGTCT TCTACATCGC CTTCTCCTG CTGTTTGCTT ACGTGTGCT CATGGATTTT CATTCCGTGC CACACCCCCC
CGAGCTGGTC CTGTA CTGCTGGT TGGTCTTTGT CCTCTTCTGT GATGAAAGTGA GACAGTGGTA CGTAAATGGG GTGAATTATT TACTGACCT GTGGAATGTG
ATGGACACGC TGGGCTTTT TTACTTCATA GCAGGAATG TATTTGCGCT CACTCTTCT AATAAAAGCT CTTGTATTTC TGGACGAGTC ATTTTCTGTC
TGACTACAT TATTTTCACT CTAAGATTGA TCCACATTTT TACTGTAAGC AGAAACTTAG GACCCAAGAT TATAATGCTG CAGAGGATGC TGATCGATGT
GTTCTTCTTC CTGTTCTCTT TTGCGGTGTG GATGGTGGCC TTTGGCGTGG CCAGGCAAGG GATCCTTAGG CAGAATGAGC AGCGCTGGAG GTGGATATTC
CGTTCGGTCA TCTACGAGCC CTACCTGGCC ATGTTCCGCC AGGTGCCAG TGACGTGGAT GGTACCACGT ATGACTTTGC CCACTGCACC TTCCTGGGA
ATGAGTCCAA GCCACTGTGT GTGGAGCTGG ATGAGCACAA CCTGCCCGG TTCCCGAGT GGATCACCAT CCCCTGGTG TGCATCTACA TGTTATCCAC
CAACATCCTG CTGGTCAACC TGCTGGTCCG CATGTTTGGC TACACGGTGG GCACCGTCCA GGAGAACAAT GACCAGGTCT GGAAGTTCCA GAGGTACTTC
CTGGTGCAGG AGTACTGCAG CCGCCTCAAT ATCCCCTCC CCTTCATCGT CTTGCTTAC TTCTACATGG TGGTGAAGAA GTGCTTCAAG TGTGCTGCA
AGGAGAAAAA CATGGAGTCT TCTGTCTGCT GTTTCAAAAA TGAAGACAAT GAGACTCTGG CATGGGAGGG TGTGATGAAG GAAAACCTACC TTGTCAAGAT
CAACACAAAA GCCAACGACA CCTCAGAGGA AATGAGGCAT CGATTTAGAC AACTGGATAC AAAGCTTAAT GATCTCAAGG GTCTTCTGAA AGAGATTGCT
AATAAAATCA AATAA
  
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