

Certificate of Analysis

Product ID: OHU13172D **Lot. No.:** M65443
Product Information:
Gene Symbol: CLEC5A **Accession No.:** NM_013252
Cloning Vector: pcDNA3.1⁺/C-(K)DYK **Gene Length*:** 567 bp
Cloning Strategy: CloneEZ **Plasmid size:** 5957 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.	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=1.91 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

Siyao Li

Date: 02/11/2021

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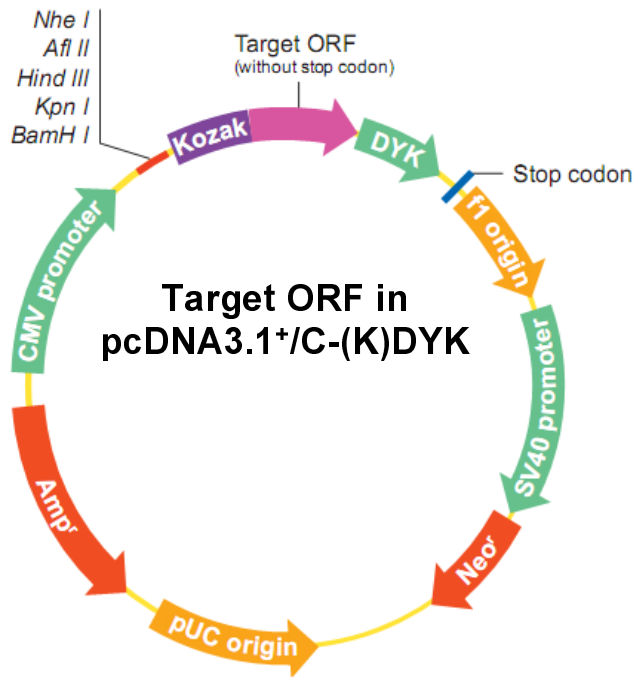
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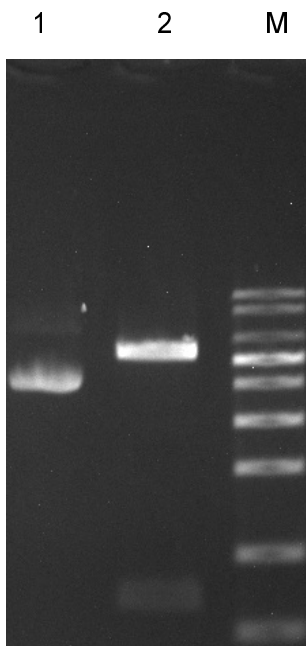
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Plasmid Construct Map

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

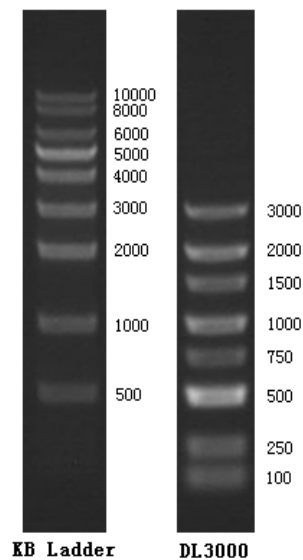


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHU13172D plasmid
Lane 2: OHU13172D plasmid digested
by MluI and HindIII

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)**

ATGAACTGGC	ACATGATCAT	CTCTGGGCTT	ATTGTGGTAG	TGCTTAAAGT	TGTTGGAATG	ACCTTATTTC	TACTTTATTT	CCCACAGATT	TTTAACAAAA
GTAACGATGG	TTTCACCACC	ACCAGGAGCT	ATGGAACAGT	CTCACAGATT	TTTGGGAGCA	GTTCCCAAG	TCCAACGGC	TTCATTACCA	CAAGGAGCTA
TGGAACAGTC	TGCCCCAAG	ACTGGGAATT	TTATCAAGCA	AGATGTTTT	TCTTATCCAC	TTCTGAATCA	TCTTGAATG	AAAGCAGGGA	CTTTTGCAAA
GGAAAAGGAT	CCACATTGGC	AATTGTCAAC	ACGCCAGAGA	AACTGAAGTT	TCTTCAGGAC	ATAACTGATG	CTGAGAAGTA	TTTTATTGGC	TTAATTTACC
ATCGTGAAGA	GAAAAGGTGG	CGTTGGATCA	ACAACTCTGT	GTTCAATGGC	AATGTTACCA	ATCAGAATCA	GAATTTCAAC	TGTGCGACCA	TTGGCCTAAC
AAAGACATTT	GATGCTGCAT	CATGTGACAT	CAGCTACCGC	AGGATCTGTG	AGAAGAATGC	CAAATGA			

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