

Certificate of Analysis

Product ID: OHu02337D Lot. No.: 817234396-1/F60826

Product Information:

Gene Symbol: STX18 Accession No.: NM_016930

Cloning Vector: pcDNA3.1⁺/C-(K)DYK Gene Length*: 1008 bp

Cloning Strategy: CloneEZ Plasmid Size: 6398 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

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

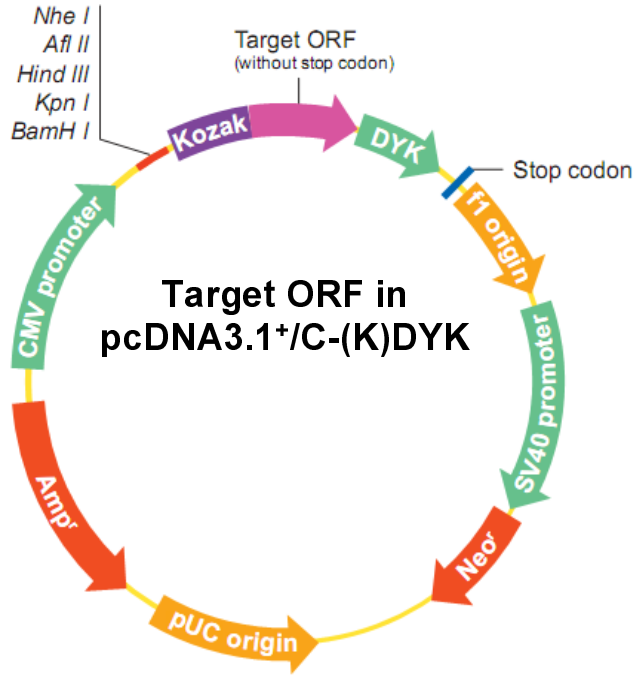
Fax: 1-732-210-0262

Email: order@genscript.com

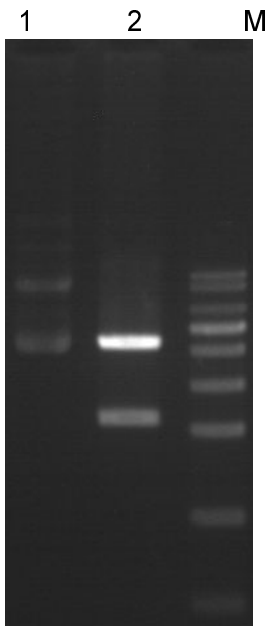
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Plasmid Construct Map

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

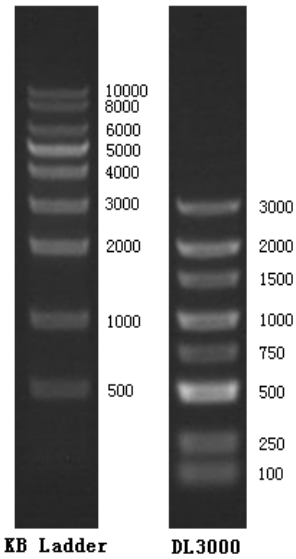


Enzyme Digestion



Lane M: KB Ladder
Lane 1: OHu02337D plasmid
Lane 2: OHu02337D plasmid digested by HindIII and SmaI

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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ATGGCGGTGG ACATCACGCT GCTATTCCGG GCCAGCGTCA AGACCGTGAA GACGCGGAAC AAGGCGCTGG GAGTGGCGGT GGGCGGCGGG GTCGATGGCA
GCCGGGACGA GCTGTTCCGC CGGAGCCCCC GGCCCAAGGG CGACTTCTCC AGCCGGGCC GCGAAGTGAT TTCTCACATT GGCAAAGTGA GAGATTTCT
TCTGGAACAC AGGAAAGATT ATATTAATGC TTATAGCCAT ACCATGTCTG AATATGGGAG GATGACAGAC ACAGAACGAG ACCAGATAGA CCAGGATGCC
CAGATATTCA TGAGGACCTG TTCAGAAGCA ATTCAGCAAC TACGAACAGA AGCTCACAAG GAGATACATT CCCAGCAAGT GAAGGAGCAC AGGACCGCTG
TTTTGGATTT CATTGAAGAT TACTTGAAAA GAGTATGTAA ACTTTACTCA GAACAGAGAG CCATCCGAGT TAAAAGAGTG GTGGATAAGA AAAGATTATC
TAAGCTGAA CCAGAACCAA ATACAAAGAC AAGAGAATCC ACATCTTCTG AGAAAGTTTC ACAGAGTCCT TCAAAAGACT CTGAAGAAAA CCCTGCCACT
GAAGAACGTC CAGAAAAAAT TTTGGCTGAA ACACAACCTG AATTGGGAAC GTGGGGAGAT GGCAAAGGCG AAGATGAGTT ATCCCAGAA GAAATACAAA
TGTTTGAACA GGAAATCAG CGACTAATTG GTGAAATGAA CAGCTTGTTT GATGAAGTGA GGCAAATCGA AGGGAGAGTG GTTGAGATT CCAGACTCCA
AGAGATATTC ACGGAAAAGG TTTTGAACA GGAAGCTGAG ATTGACAGCA TTCACCAGTT AGTTGTGGG GCAACTGAAA ATATCAAGGA AGGCAACGAA
GACATAAGAG AGGCCATTAA AAACAACGCT GGCTTCCGG TGTGGATCCT CTCTTCCTC GTGATGTGCT CCTTCTCCT GCTCTCCTC GACTGGTACG
ACAGCTAG
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