

# Certificate of Analysis

Product ID: OHu55703D Lot. No.: 807229927-1/F43427

Product Information:

Gene Symbol: ASB4 Accession No.: NM\_145872

Cloning Vector: pcDNA3.1<sup>+</sup>/C-(K)DYK Gene Length\*: 1050 bp

Cloning Strategy: CloneEZ Plasmid Size: 6440 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: 05/01/2016

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Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

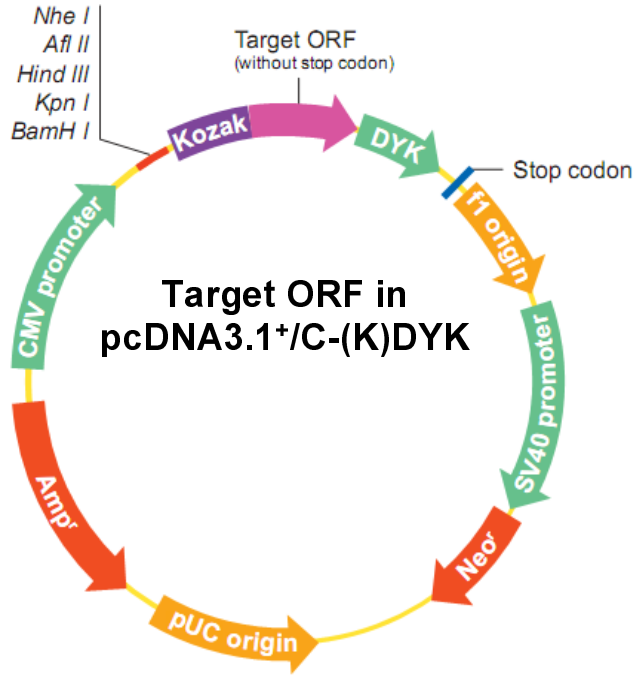
Fax: 1-732-210-0262

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

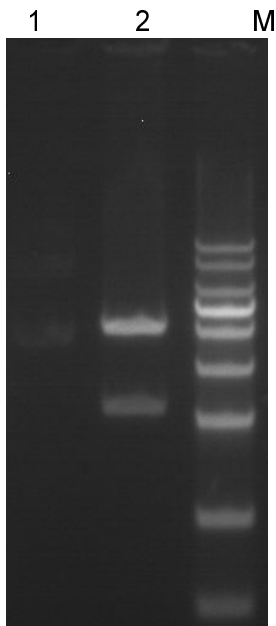
Web: [www.genscript.com](http://www.genscript.com)

Plasmid Construct Map

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

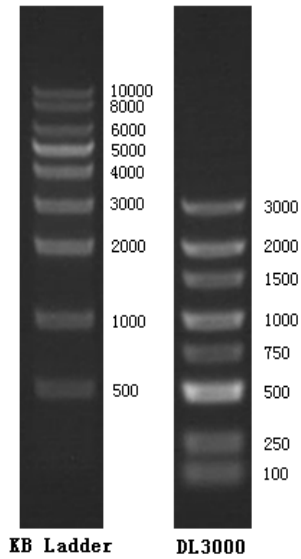


Enzyme Digestion



Lane M: KB Ladder  
Lane 1: OHu55703D plasmid  
Lane 2: OHu55703D 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)

```
ATGGACGGCA CCACTGCCCC TGTCATAAA TCTGGAGCTG CCAAGTAGT TAAGAGAAAT TTCCTGAGG CGCTAAAGTC CAATGACTTC GGAAAAATTGA
AGGCTATTTT GATCCAAAAG CAAATAGATG TGGACACTGT TTTTGAAGTC GAAGATGAGA ATATGGTTTT GGCATCTTAT AAACAAGGTT ACTGGTTGCC
TAGCTATAAA TTGAAGTCTT CCTGGGCCAC AGGCCTCCAT CTCTCTGTCT TGTTTGGCCA TGTGGAATGT CTTCTGGTGC TACTGGACCA CAATGCTACA
ATCAACTGTA GACCCAATGG GAAAACCCCT CTTACAGTGG CTTGTGAAAT GGCCAATGTG GATTGTGTTA AGATCCTCTG TGATCGTGGG GCAAAGCTCA
ATTGCTACTC CTTAAGTGGG CACACAGCTT TGCACTTTG TACAACCTCA AGTTCCATTC TCTGTGCCAA GCAATTGGTT TGGAGAGGGG CGAATGTGAA
CATGAAGACC AACAACCAAG ATGAGGAGAC GCCCTTGCAC ACGGCTGCC ACTTCGGCCT TTCGGAGCTG GTGGCCTTCT ACGTGAACA CGGGGCCATA
GTGGACAGCG TGAATGCCCA CATGGAGACC CCCCTGGCCA TCGCCGCCTA CTGGGCCCTC CGCTTTAAGG AGCAGGAGTA CAGCACGGAG CACCACCTGG
TCTGCCGCAT GCTGCTTGAC TACAAAGCCG AAGTCAATGC CCGAGATGAC GACTTTAAAT CTCCCCTCCA CAAGGCAGCC TGGAACTGTG ACCACGTGCT
CATGCACATG ATGCTGGAAG CTGGCGCCGA AGCCAATCTC ATGGATATCA ACGGCTGTGC TGCCATCCAG TACGTGCTGA AGGTCACCTC CGTGCCCTC
GCTGCCCAGC CTGAGATCTG CTACCAGTC CTGTTGAACC ATGGGGCTGC CCGAATATAC CCTCCACAGT TCCATAAGGT GAGGCTCTGC CCAGTGGTCA
GCAGGTTGAG GAAGATTCAA ATGGCAGCCT TGTCTGAAAT CTCCAAGTAA
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