

Product datasheet for VC101057

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Alkaline exonuclease (NC 009334) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Alkaline exonuclease (NC_009334) Virus Tagged ORF Clone

Tag: Myc-DDK

Symbol: Alkaline exonuclease

Mammalian Cell

Selection:

Neomycin

pCMV6-Entry (PS100001) Vector: E. coli Selection: Kanamycin (25 ug/mL)

>The Viral ORF clone VC101057 represents NCBI reference of YP_001129480 with codon **ORF Nucleotide**

optimized for human cell expression Sequence:

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGCGCTTTGTGGAGCCTCTGTAGGAGGCGCGTGAATAGTATAGGGGATGTGGATGGGGGCATAATCA ACCTGTACAACGACTATGAGGAATTCAACCTCGAGACAACTAAGCTGATTGCCGCAGAAGAGGGCAGAGC ATGCGGGGAGACAAATGAGGGACTGGAGTATGACGAAGATAGTGAAAACGACGAACTCCTGTTTCTGCCT

AATAAAAAACCTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

>VC101057 representing YP_001129480 Protein Sequence:

Red=Cloning sites Green=Tags

MGALWSLCRRRVNSIGDVDGGIINLYNDYEEFNLETTKLIAAEEGRACGETNEGLEYDEDSENDELLFLP

NKKPN

TRTRRLEQKLISEEDLAANDILDYKDDDDK**V**

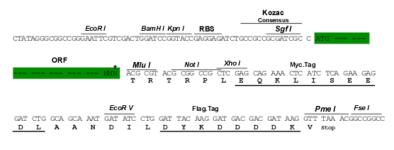
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NC_009334

ORF Size: 225 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide"

Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a

Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NC 009334.1, YP 001129480

 RefSeq ORF:
 225 bp

 Locus ID:
 5176158

 MW:
 8.5 kDa