

Product datasheet for **VC100684**

2A (NC_013115) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2A (NC_013115) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: 2A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC100684 represents NCBI reference of YP_003104789 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGGGCCTTTCGGTCAGCAGAGTGGGGCCGTGTACGTTGGCAATTATCGCGTCGTTAACAGGCACCTCG
 CCACTCACAGTGACTGGCAGAAGTGCCTGTGGGAAGATTCCAATAGAGATCTGCTCGTCTCAACCACGAC
 AGCCCACGGATGTGATACCATCGCTAGATGTCAATGTACGACCCGGGTGTACTTCTGCGCTTCCAAGAAC
 AAGCATACCCAGTCGTTTTTGAAGGTCCCGACTGGTCGAGGTGCAGGAAAGCGAATATTACCCCGGA
 GATATCAATCCCATGTATTGTTGGCCGACGGGTTCTCAGAGCCCGTGACTGCGGAGGCATTTTGAAGGTG
 TGAGCATGGCGTCATAGGATTGTAACGATGGGAGGCGAAGGCGTTGTTGGGTTTCTGATGTTAGGGAC
 CTGCTCTGGCTCGAAGATGATGCCATGGAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100684 representing YP_003104789
Red=Cloning sites Green=Tags

MGPFQQSGAVYVGNRYVNRHLATHSDWQNCVWEDSNRDLLVSTTTAHGCDTIARCQCTTGYYFCASKN
 KHYPVVFEGPGLVEVQESEYYPRRYQSHVLLAAGFSEPGDCGILRCEHGVIIVTMGGEGVVFADVRD
 LLWLEDDAMEQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NC_013115

ORF Size: 453 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_013115.1](#), [YP_003104789](#)

RefSeq ORF: 453 bp

MW: 16.6 kDa