

## Product datasheet for **VC100520**

### L4A (NC\_001454) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	L4A (NC_001454) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L4A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100520 represents NCBI reference of NP_040868 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAAAGACATACCTACCCATATATGTGGTCTACCAGCCCCAGATGGGACTTGCCGCCGGGGCTA  
GTCAAGACTATTCAAGCAGAATGAACTGGCTGAGTGCAGGGCCACACATGATAGGGAGAGTCAATGGCAT  
AAGGGCGACCCGGAACCAATCCTCTTGGAGCAGGCCCTTGACATCTACTCCCAGGCCCAACTGAAC  
CCCCGAGCTGGCCTGCTGCGCAAGTTTATCAGGAAAATCCGGCTCCTACTACGGTCTCCTGCCAGAG  
ACGCCGAGGCCGAAGTCCAAATGACAAATAGTGGCGCTCAACTGGCCGGCGGAGCTCGGCACGTCAGGTT  
CAGGGACAGACCCAGCCCTTACTCAAGCGGAGTATAAAGAGGCTTATTATAAGAGGACGGGGCATACAA  
CTGAACGATGAGGTAGTGTCTCTCAACAGGACCCCGACCCGACGGGGTGTTCAGCTCGGAGGGGCCG  
GCAGGTCAAGTTTACACCCCGGAGGCCATCTGACACTTCAATCCAGTTCTCTCAGCCCCGATCTGG  
AGGTATCGGAACGCTTCAGTTTGTAGAGGAGTTTGTGCCAAGCGTCTACTTCAACCCTTTCAGTGGTGCC  
CCCGCCTGTATCCCGATGATTTTATACCAAACACGACGCCGTCTCCGAGAGTGTGATGGCTACGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100520 representing NP\_040868  
 Red=Cloning sites Green=Tags

MSKDIPTPYMWSYQPQMGLAAGASQDYSSRMNWL SAGPHMIGRVNGIRATRNIQILLEQAALTSTPRRLN  
 PPSWPAAQVYQENPAPTTVLLPRDAEAEVQMTNSGAQLAGGARHVRFRDRPSPYSSGSIKRLIIRGRGIQ  
 LNDEVVSSSTGPRPDGVFQLGGAGRSSFTPRQAYLTLQSSSQPRSGGIGTLQFVEEFVPSVYFNPFSGA  
 PGLYPDDFIPNYDAVSESV DGYD

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001454

**ORF Size:** 699 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\_001454.1, NP\_040868  
RefSeq ORF: 699 bp  
Locus ID: 2715920  
MW: 25.3 kDa