

Product datasheet for **VC100039**

III (AC_000007) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	III (AC_000007) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	III
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC100039 represents NCBI reference of AP_000170 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGAGAGCCGAATGTACGAGGAGGGACCACCACCTAGCTACGAGTCAGTCGTAAGTGCCGCCCTG
 TCGCTGCCGCTCTTGGGTCTCCCTTCGACGCCCTCTTGACCCTCCTTTGTTCCACCAAGATACCTGCG
 CCCAACCGGAGGAAGGAACAGTATCCGCTATTCGAGCTTGCCCTTTGTTTCGATACTACCAGGTTTAC
 CTTGTGGACAACAAGTCTACTGACGTTGCAAGCCTCAACTATCAGAACGATCACTCTAATTTTCTGACTA
 CAGTCATCCAGAATAATGACTACTCTCCAGGTGAGGCGTCTACACAGACAATTAATTTGGATGATCGATC
 TCATTGGGGCGGTGACCTTAAGACGATTCTGCATACCAATATGCCTAACGTAATGAATTCATGTTACC
 AACAGTTTAAGGCCCGCTAATGGTTAGTAGGAGTCTACCAAAAGACAAGCAAGTGAGTTGAAGTATG
 AGTGGGTTGAATTCACGCTGCCAGAGGTAACCTATTCCGAGACCATGACCATCGACTGATGAACAAATGC
 AATCGTGGAACTTATCTGAAGGTGGGACGGCAGAATGGAGTGCTTGAGTCTGATATCGGGTTAAGTTT
 GATACTAGGAACCTCCGCTGGGTTTCGACCCCGTACTGGCCTGGTAATGCCAGGCGTGTATACAAACG
 AGGCCTTCCATCCCGATATCATCCTTCTGCCCGGATGTGGCGTGGACTTCACCCACTCCAGGCTGAGCAA
 CCTGCTGGGCATCAGGAAAAGGCAGCCCTTCCAGGAGGATTCCGAATCACTTATGATGATCTTGAAGGC
 GGAAACATCCCAGCTCTGCTCGAGCTCGATGCTTACCAGGCTAGCCTGAAGGACGACACAGAACAAAGGCG
 GCGATGGAGCCGGCGGGGAAACAACAGCGGCAGCGCGCAGAAGAAAACAGTAAATGCCGACGCTGCCGC
 CATGCAGCCAGTAGAAGATATGAACGATCATGCCATTAGGGGAGACACTTTCGCTACTCGGGCTGAGGAA
 AAAAGGGCCGAAGCCGAAGCAGCCGCGAGGCCGCTCCAGCTGCGCAGCCGAAGTCAAGGAGCCGCTCC
 AGAAAAAGCCTGTGATCAAGCCACTGACAGAGGATTCAAAAAACGGAGTTACAACCTGATCTCAAATGA
 CTCAACTTTCACCAATATCGAAGCTGGTACCTGGCCTACAACCTACGGGGACCCACAAACAGGCATCAGG
 TCCTGGACACTTCTGTGTACCCAGACGTGACATGCGGTTCAGAACAGGTATACTGGTCTCTCCCGACA
 TGATGCAAGACCCTGTCACATTCAGATCAACCTCACAAATATCAAATTTTCCAGTGGTAGGCGCTGAACT
 CCTGCCAGTGCCTCAAATCTTTTACAATGATCAAGCAGTGTATTCCAGCTCATTGCGCAATTTACT
 TCATTACCCATGTGTTCAACAGGTTCCCGAAAACAAATACTGGCACGCCGCTGCCCCACAATCA
 CCACAGTGTCCGAGAACGTGCCGCCCTCACCGATCACGGAACCTGCCACTGCGCAACTCCATTGGTGG
 TGTTCAAAGAGTCACAATAACTGACGCGGGAGGCGGACCTGCCCTACGTGTATAGGCACTCGGGATC
 GTCTCTCCACGGGTGCTCTTAGCCGGACATTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100039 representing AP_000170
 Red=Cloning sites Green=Tags

MQRAAMYEEGPPPSYESVVAAPVAAALGSPFDAPLDPPFVPPRYLRPTGGRNSIRYSELAPLFDTRRVY
 LVDNKSTDVAVSLNYQNDHSNFLT TTVIQNDYSPGEASTQTINLDDRSHWGGDLKTIILHTMNPVNEFMFT
 NKFARVMVSRSLTKDKQVELKYEWVEFTLPEGNYSETMTIDL MNNAIVEHYLKVGRQNGVLESIDIGVKF
 DTRNFRLLGFDPTVGLVMPGVYTNFAHPDIILLPGCGVDFTHSRLSNLLGIRKRQPFQEGFRITYDDLEG
 GNIPALLDVEDAYQASLKDDTEQGGDGAGGGNNSGSGAEENSNAAMQPVEDMNDHAIRGDTFATRAEE
 KRAEAEAAAAPAAQPEVEKPKKPKVTKPLTEDSKRSYNLISNDSTFTQYRSWYLAYNYGDPQTGIR
 SWTLLCTPDVTCGSEQVYWSLPDMMQDPVTFRSTQISNFPVVGAE LLPVHSKSFYNDQAVYSQLIRQFT
 SLTHVFNRFENQILARPPAPTITTVSENVPALTDHGLPLRNSIGGVQRVTITDARRRTPYVYKALGI
 VSPRVLSRRTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: AC_000007

ORF Size: 1713 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: [AC_000007.1](#), [AP_000170](#)

RefSeq ORF: 1713 bp

UniProt ID: [P03254](#)

MW: 63.3 kDa