

Product datasheet for **VC102455**

HA (NC_007366) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HA (NC_007366) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HA
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 VC102455 represents NCBI reference of YP_308839 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGACCATCATTGCCCTGAGCTATATCTTGTGTCTCGTTTTTCGCGCAGAAGCTCCGGGAAACGACA
 ATTCTACAGCAACTCTGTGTCTCGGACACCATGCGGTGCCTAACGGAACAATTGTGAAGACCATAACGAA
 CGACCAGATCGAAGTGACAAACGCTACAGAGCTCGTGCAATCTTCTCCACAGGGGGGATCTGTGACTCA
 CCACATCAAATCCTGGACGGCGAAAACGCACCCTGATAGACGCCCTGCTGGGTGATCCCCAGTGTGACG
 GGTCCAGAACAAGAAGTGGGACCTTTTTGTGGAACGGTCTAAGGCATACAGTAATTGCTATCCTTATGA
 CGTCCCGGACTACGCATCCCTCAGGTCACTCGTAGCTAGTTCTGGTACTGGAGTTCAATAATGAGAGC
 TTCAACTGGACGGGCGTTACCCAAAACGGAACCTCCAGCGCTTGAAGCGCCGGTCCAATAATAGCTTTT
 TTTCCAGGCTGAAGTGGCTGACTCATCTGAAATTAAGTACCCTGCCCTAATGTGACCATGCCAACAA
 CGAGAAGTTCGATAAACTCTATATTTGGGGCGTCCACCATCCAGGGACCGATAACGACCAAAATTTCCCTG
 TACGCCAGGCTTCTGGCCGCATCACAGTATCCACGAAAAGTCCACGACAGAGTTATCCCTTCTATCG
 GCTCCCGCCACGCATCCGAGACGTGCCTTCCAGGATCTCCATATATTGGACGATCGTCAAGCCCGGAGA
 CATTCTCTGATTAACCACTGGCAATCTCATTGCTCCTAGAGGCTACTTTAAAATCCGGTCCGGCAAA
 TCATCCATCATGCGATCCGACGCCCAATTGAAAAGTGCACAGTGAGTGTACTCCAAACGGCAGCA
 TCCCTAACGATAAACCCTTTCAGAATGTCAACCGAATCACATACGGAGCTTGCCACGGTACGTCAAGCA
 GAACACCCTTAACTGGCCACCGGGATGAGAAAACGTCCCGGAAAAACAGACCAGAGGCATCTTCGGCGCT
 ATAGCGGGGTTTATTGAGAACGGTGGGAAGGTATGGTGGACGGCTGGTATGGCTTCAGACATCAAATA
 GTGAGGGTACAGGACAGCCGCCGACCTGAAGTCCACTCAGGCTGCAATTAATCAGATTAATGGCAAGCT
 CAATCGGTTGATCGGGAAGACTAATGAGAAGTTTACCAAATCGAGAAGGAATTCAGAAAGTGGAAAGT
 CGGATCCAGGATCTCGAGAAGTACGTTGAAGATACCAAAATTGATCTGTGGTCTATAACCGGAGCTGC
 TGGTGGCCCTTGAGAATCAACATACAATCGATTTGACTGACAGCGAGATGAATAAACTGTTTGAACGCAC
 AAAGAAGCAGTTGAGAGAGAACGCCGAAGATATGGGCAATGGCTGTTTCAAGATCTATCACAAGTGTGAT
 AACGCTTGCATCGGATCAATTAGAAACGGGACATACGACCATGATGTCTATAGAGATGAGGCACTGAACA
 ATCGGTTTCAAATCAAGGGCGTGAACCTAAGTCCGGCTATAAAGACTGGATCTGTGGATAAGCTTTGC
 TATTTCTGTTTTTGTGTGTGTGGCACTGCTCGGTTTCATCATGTGGCATGCCAGAAAGGCAATATC
 CGCTGTAACATCTGCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102455 representing YP_308839
 Red=Cloning sites Green=Tags

MKTIIALSYILCLVFAQKLPGNNDSTATLCLGHHAVPNGTIVKTIITNDQIEVTNATELVQSSSTGGICDS
 PHQILDGENCTLIDALLGDPQCDGFQNKWDLFVERSKAYSNCYPYDVPDYASLRSLVASSGTLEFNNES
 FNWTGVTQNGTSSACKRRSNNFFSRLNWLTHLKFKYPALNVTMPNNEKFDKLYIWGVHHPGTDNDQISL
 YAQASGRITVSTKRSQQTVIPISIGSRPRIRDVPSRISIYWTIVKPGDILLINSTGNLIAPRGYFKIRSGK
 SSIMRSDAPIGKCNSECITPNGSIPNDKPFQNVNRITYGACPRYVKQNTLKLATGMRNVPEKQTRGIFGA
 IAGFIENGWEGMVDGWYGFRHQNSEGTQAADLSTQAAINQINGKLNRLIGKTFHIEKEFSEVEG
 RIQDLEKYVEDTKIDLWSYNAELLVALENQHTIDLTDSEMKNLFERTKKQLRENAEDMGNGCFKIYHKCD
 NACIGSIRNGTYDHDVYRDEALNNRFQIKGVELKSGYKDWILWISFAISCFLLCVALLGFIMWACQKGNIR
 CNICIR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2546_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_007366

ORF Size: 1698 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_007366.1](#), [YP_308839](#)

RefSeq ORF: 1698 bp
Locus ID: 3655151
MW: 63.5 kDa