

Product datasheet for **VC102489**

HA (NC_002207) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HA (NC_002207) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102489 represents NCBI reference of NP_056660 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAAGCAATAATAGTACTCCTTATGGTGGTAACCTCTAACGCGGATAGAATTTGTACCGGATCACTT
CTAGCAACTCACCCCATGTGGTAAAGACCGCAACACAAGGCGAAGTAAACGTCACAGGGGTGATCCCTCT
CACCACAACACCCACTAAGAGTCATTTTCTAATCTGAAAGGGACTCAGACGCGGGGAAACTCTGTCCC
AATTGCTTTAATTGTACAGATCTGGATGTAGCCTTGGGGAGGCCTAAATGTATGGGGAATACCCCTAGCG
CAAAGGTATCTACTGCACGAAGTAAACCCGCAACTTCTGGGTGCTTTCCTATAATGCACGATCGCAC
TAAGATCCGGCAACTTCCAAACCTCTGCGGGGATACGAGAATATACGGCTCTCCACAAGCAACGTGATT
AATACAGAAACTGCCCTGGCGGCCCTTACAAAGTTGGAACCTCCGGGAGTTGTCCAAATGTGGCGAATG
GAAATGGCTTCTTAAACAGATGGCGTGGGTCACTTCCAAAGGACAATAACAAAACCGCTATTAATCTGT
GACAGTCGAGGTGCCATATATCTGCTCCGAAGGAGAGGATCAGATAACAGTCTGGGGTTCCATAGCGGAC
GATAAGACGCAGATGAAAGACTGTATGGGGATTCAAATCCCCAGAAGTTTACTTCTAGCGCTAATGGAG
TTACTACCCATTATGTAAGCCAGATTGGGGGCTTTCCTAATCAAACCGAAGACGAAGGCCTCAAGCAGTC
TGGAAGGATCGTCGTTGACTACATGGTGCAAAAGCCTGGCAAGACAGGCACCATAGTGTATCAGAGAGGA
ATCCTCCTCCCCAGAAGGTCTGGTGGCTAGCGGAAGGAGTAAGGTTATTAAGGGAGTCTCCCCTGA
TTGGCGAAGCTGATTGTCTGCATGAGAAATATGGGGTTTGAATAAGAGTAAGCCATACTACACAGGCGA
ACACGCCAAGGCGATCGGGAACGCCCCGATTTGGGTCAAGACTCCGCTGAAGCTGGCCAACGGTACGAAA
TACAGGCTCCAGCAAACTGCTGAAAGAGAGGGGCTTCTCGGGCAATTGCCGATTCTGGAAGCGG
GGTGGGAAGGTATGATTGCGGGCTGGCATGGCTACACATCTCATGGGGCGCACGGCGTAGCCGTGGCAGC
TGACCTTAAGAGTACCCAGGAGCGATCAACAAGTACCAAGAACCTGAATTATCTGAGCGAGCTGGAA
GTAAAAAACCCTGCAGCGATTGAGCGGGCTATGAATGAGCTCCACGACGAGATTTTGGAGCTTGACGAAA
AGGTGGATGATCTTCGGGCGGACACCATCTCCTCCAGATCGAACTCGCCGTAAGTGTCTAACGAGGG
AATTATTAACCTCAGAGGACGAACACCTCTGGCTTGGAAACGCAAACTGAAGAAAATGCTTGGTCCGTCT
GCGGTGAAAATGGTAATGGGTGCTTCGAGACCAACATAAATGTAACCAAACTGTCTGGATCGGATTG
CCGCCGTACCTTAACGCAGGTGACTTCTCCCTCCACCTTCGACAGCCTGAACATCACAGCAGCCAG
CCTGAATGACGATGGATTGGACAACCACACCATCTTGCTTATTATCCACCGCCGCTTCTCCCTGGCC
GTGACACTCATGATCGCCATCTTCATCGTCTATATGGTGTCAAGGACAATGTCTCTTGTAGCATTGGCC
TT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102489 representing NP_056660

Red=Cloning sites Green=Tags

MKAIIVLLMVVTSNADRICTGITSSNSPHVVKATQGEVNVTVGIPLTTTPTKSHFANLKGTRGKLC
NCFNCTDLVALGRPKCMGNTPSAKVSILHEVKPATSGCFPIIMHDKIRQLPNLLRGENIRLSTSNVI
NTETAPGGPYKVGTSGSCPNAVANGFFNTMAWVIPKDNKTAINPVTVEVPYICSEGEDQITVWGFHSD
DKTQMERLYGDSNPQKFTSSANGVTTHYVSQIGGFNPQTEDEGLKQSGRIVVDYVMQKPGKTGTIVYQRG
ILLPQKVWCASGRSKVIKGSPLIGEADCLHEKYGGLNLSKPYTGEHAKAIGNCPIWVKTLKLANGTK
YRPPAKLLKERGFAGIAGFLEGGWEGMIAGWHGYTSHGAHGVAADLKSTQEAINKITKNLNYLSELE
VKNLQRLSGAMNELHDEILELDEKVDLDRADTISSQIELAVLLSNEGIINSEDEHLLALERKLLKMLGPS
AVEIGNGCFETKHKNQTCLDRIAAGTFNAGDFSLPTFDSL NITAAASLNDGDLNHTILLYYSTAASSLA
VTLMIAIFIVYMVSRDNVSCSICL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2306_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_002207

ORF Size: 1752 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_002207.1](#), [NP_056660](#)

RefSeq ORF: 1752 bp
Locus ID: 956538
MW: 63.3 kDa