

## Product datasheet for **VC102429**

### ha (NC\_004908) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ha (NC_004908) 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 VC102429 represents NCBI reference of NP\_859037 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGAGACAATCTCCCTTATTACAATCCTGCTGGTGGTTACCGCTAGCAACGCTGATAAAATTTGCATTG  
 GCCACCAGAGCACCAATAGTACCGAAACTGTTGATACACTGACTGAAACAACGTCGCCAGTGACACATGC  
 CAAAGAATTGCTCCACACAGAACAACGGCATGCTTTGCGCAACATCCCTTGGGCACCCCTTGATATTG  
 GACACATGCACGATCGAGGGCCTCGTGTATGGGAATCCTAGCTGCGACCTGCTGCTCGGAGGTAGGGAGT  
 GGTCTATATTGTTGAACGGAGTCCGCGGTCAACGGGACGTGTTATCCGGGAAATGTAGAAAACCTCGA  
 AGAACTGCGAACACTGTTCACTCCGCTAGCTATCAGCGGATCCAGATCTCCAGACACCACCTGG  
 AACGTCACGTATACGGGGACAAGCCGGCATGCAGCGGAAGTTTCTACCGGTCCATCGCGTGGCTCACTC  
 AAAAAAGCGGATTCTACCCTGTGCAGGACGCACAGTACACGAATAACAGGGGGAAGTCAATTCTCTTTGT  
 ATGGGGCATCCATCATCCGCAACATATACAGAGCAGACAAATCTGTATATCCGGAAATGACACCACCACA  
 TCCGTAACCACAGAGGATCTGAATCGCACGTTCAAGCCAGTAATCGGCCCTCGGCCCTGGTGAATGGCT  
 TGCAGGGGCGCATCGATTACTGGTCTGTCTGAAGCCTGGGCAGACCTTGAGGGTGCAGCAATGG  
 AAATCTTATTGCCCGTGGTATGGGCATGTGCTCTGCGGGAAGCCATGGAAGGATCCTGAAGACCGAC  
 CTTAAGGGAGGCAACTGTGTCGTACAGTCCAGACCGAGAAAGGAGGACTTAACTCTACTCTTCTTTCC  
 ACAATATTAGTAAGTACGCCCTTTGGCACCTGCCAAAGTATGTGAGAGTGAACAGCCTGAACTGGCCGT  
 GGGTCTGCGGAACGTTCCAGCCCGCAGCTCTCGCGGCTGTTCCGCGCCATAGCCGGATTCATTGAAGGC  
 GGTTGGCCCGACTGGTGGCCGGATGGTACGGCTTCCAGCATTCAACGATCAGGGGGTCCGCATGGCCG  
 CTGACAGGGACACACACAGAAGGCAATCGATAAAATTACATCCAAGGTAATAATATTGTCGACAAAAT  
 GAACAAACAGTACGAAATCATCGACCACGAATTCTCCGAAGTTGAGACTAGACTCAATATGATCAACAAC  
 AAGATTGACGACCAAAATTCAGGACGTATGGGCGTACAACGCCAACTCCTGGTACTGCTGGAAAACCAGA  
 AAACCCTTGATGAACACGATGCGAACGTCAATAACCTGTATAACAAAGTAAACGGGCACTCGGTAGCAA  
 CGCAATGGAAGACGGCAAGGGCTGCTTCGAGCTGTATCACAAGTGTGATGACCAGTGCATGGAGACTATT  
 AGAAATGGTACCTATAATCGCAGGAAATATAGGGAGGAGACCGACTTGAAGACAAAAATAGAAGGAG  
 TGAACCTGGAGAGTGGGGTACCTACAAGATCCTCACCATTACTCCACTGTAGCCAGCTCCCTCGTGCT  
 CGCGATGGGCTTCGCCGATTCTGTTTTGGGCTATGTCCAACGGAAGCTGTCGGTGCAACATTTGTATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102429 representing NP\_859037  
**Red**=Cloning sites **Green**=Tags

METISLITILLVVTASNADKICIGHQSTNSTETVDTLTETNVPVTHAKELLHTEHNGMLCATSLGHPLIL  
 DTCTIEGLVYGNPSCDLLLGGREWSYIVERSSAVNGTCYPGNVENLEELRTLFSASSYQRIQIFPDTTW  
 NVTYTGTSRACSGSFYRSMRWLTQKSGFYVQDAQYTNNRKSILFVWGIHHPPTYTEQTNLYIRNDTTT  
 SVTTEDLNRTFKPVIIGRPLVNLQGRIDYYWSVLKPGQTLRVRNGLIAPWYGHVLSGGSHGRILKTD  
 LKGGNCVVQCQTEKGLNSTLPFHNI SKYAFGTCPKYVRVNSLKLAVGLRNVPARSSRGLFGAIAGFIEG  
 GWPGLVAGWYGFQHSNDQVGMADRDSTQKAIDKITSKVNIVDKMNKQYEIIDHEFSEVETRLNMINN  
 KIDDQIQDVWAYNAELLVLEENQKTLDEHDANVNNLYNKVKRALGSNAMEDGKGFELYHKDDQCMETI  
 RNGTHYNNRRKYREESRLERQKIEGVKLESEGTYKILTIYSTVASSLVLAMGFAAFLFWAMNSGSCRCNICI

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2523\\_g12.zip](https://cdn.origene.com/chromatograms/ja2523_g12.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NC\_004908

ORF Size: 1680 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](mailto: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\\_004908.1](#), [NP\\_859037](#)

RefSeq ORF: 1680 bp

Locus ID: 1460996

MW: 62.5 kDa