

## Product datasheet for **VC102430**

### HA1 (NC\_004908) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HA1 (NC_004908) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102430 represents NCBI reference of YP_529488 with codon optimized for human cell expression <b>Red</b> =Cloning site <b>Blue</b> =ORF <b>Green</b> =Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATAAGATTTGTATCGGACATCAGAGTAAACAGTACAGAACTGTGGATACCCTCACAGAGACCA  
ATGTGCCAGTACACACGCCAAGGAGCTCCTCCACACAGAACACAACGGAATGCTTTGTGCTACTCCCT  
GGGGCATCCCTTGATCCTGGATACCTGTACAATTGAAGGGCTTGTATATGGAAACCCAGCTGCGACCTG  
CTGTTGGGAGGCAGGGAATGGAGTTATATCGTAGAGCGCAGCTCCGCCGTCACCGAATGTTATCCAG  
GCAACGTGGAGAATCTCGAAGAGCTGCGCACATTGTTTTTCATCAGCCAGTTCATATCAGAGGATCAAAT  
TTTCCCGGACACTACCTGGAACGTGACTTACACCGGGACGTCCAGGGCCTGCTCCGGCTCCTTTTACCGC  
AGTATGCGATGGTTGACCCAGAAGTCTGGTTTTTATCCTGTGCAAGATGCGCAGTATACCAATAATAGAG  
GAAAGTCTATACTCTTTGTGGGGAATCCACCATCCTCCGACGTACACAGAACAGACAAACCTGTACAT  
CAGGAACGACACTACCACATCAGTGACAACCTGAAGACCTAACCGGACCTCAAACCTGTCATTGGACCC  
AGACCTCTGGTGAATGGTCTGCAAGGCAGGATAGATTACTATTGGTCAGTTCTGAAACCAGGCCAGACTC  
TTAGGGTGGCTCTAATGAAATCTCATTGCTCCATGGTATGGCCACGTCCTCAGTGGAGGGAGCCACGG  
CCGGATTCTGAAGACAGATCTCAAAGGTGGCAACTGCGTAGTGCAGTGTCAAACCTGAGAAGGGAGGCCTG  
AACTCTACATTGCCATTTTCATAACATCAGTAAGTACGCATTTGGAACCTGCCCAAGTACGTGAGAGTAA  
ATTCCTTTGAAACTGGCGTTGGCCTCCGCAATGTCCCCGAAGGTCATCACGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102430 representing YP\_529488  
Red=Cloning sites Green=Tags

MDKICIGHQSTNSTETVDTLTETNVPVTHAKELLHTEHNGMLCATSLGHPLILDCTCTIEGLVYGNPSCDL  
 LLGGREWSYIVERSSAVNGTCYPGNVENLEELRTLFSASSYQRIQIFPDTTWNVTYTGTSRACSGSFYR  
 SMRWLTQKSGFYVQDAQYTNNRGKSILFVWGIHHPPTYTEQTNLYIRNDTTTSTVTTEDLNRTFKPVI  
 RPLVNLQGRIDYYVSVLKPQTLRVRNNGNLIAPWYGHVLSGGSHGRILKTDLKGNCVVQCQTEKGG  
 NSTLPPHNI SKYAFGTCPKYVRVNSLKLAVGLRNVPARSSR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2511\\_e06.zip](https://cdn.origene.com/chromatograms/ja2511_e06.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_004908

**ORF Size:** 963 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NC_004908.1</a></u> , <u><a href="#">YP_529488</a></u>
<b>RefSeq ORF:</b>	963 bp
<b>MW:</b>	35.7 kDa