

Product datasheet for **VC100087**

hexon (AC_000019) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hexon (AC_000019) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hexon
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 VC100087 represents NCBI reference of AP_000585 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACACCTTCCATGCTCCCCAATGGGCCTACATGCATATCGCAGGACAGGACGCTAGTGAATATC
TGTCTCCAGTCTGGTGCAGTTTGCCAGAGCCACGGATACCTACTTCAACCTTGGAAACAAGTTCAGGAA
TCCTACCGTGGCCCTACCCACGACGTACCACAGACAGAAGCCAACGCCTTATGTTGAGATTCGTGCCT
GTTGATCGGGAAGATAACACTTATTCTTACAAAGTCCGCTACACCCTCGCTGTGGGGGATAACCGAGTGC
TTGATATGGCGAGTACCTTTTTCGATATTAGAGGAGTACTGGACAGAGGCCCCAGTTTTAAGCCGTA
TGGACAGCGTAACTCTTGGCTCCCAAGGTGCTCCCAATGCCAGCCAGTGGATCGAAAAGGAGTT
CCAACCGCAGCCGCTGCCGAAACGGTGGAGGAGCATGAAACCGAGGAGAAAAGTCAACATATACCT
TCGCTAATGCCCGAGTTAAAGCCGAAGTCAAATCACGAAGGAGGGCTTGCCCATCGGCTTGGAAATCAG
TGGCGGAGAACGAATCTAAGCCAATCTACGCAGATAAGCTGTACCGCCGAACACAGGTGGGAGACGAA
ACTTGGACGGACCTGGACGGAAAGACAGAGGAATACGGCGGTTCGAGCCCTTAAGCCCTACAACGAATATGA
AACCTGTTACGGAAGCTACGCTAAACCTACCAATCTCAAGGGCGGTTCAGGCGAAACCTAAAAATCCGA
GCCAAGCAGCGAGAAGATTGAATACGACATCGATATGGAGTCTTCGACAACCTAGCCAACGCACAAAT
TTAGCCCAAGATTGTCATGTACGCGGAAAATGTTGGGCTGGAGACTCCTGATACACACGTGGTGTACA
AGCCTGGTACTGAGGACACCTCCTCCGAGGCGAACCTGGCCAGCAAAGTATGCCGAATCGACCAATTA
CATCGGTTTTCGGATAATTTTATAGGGCTGATGACTACAATCCACTGGCAACATGGGAGTGTGGCC
GGCCAGGCTAGCCAACCAACCGCTGGTGTAGATCTTCAAGACCGGAACACCGAGCTTAGCTATCAGTTGC
TCCTCGACTCCCTTGGAGACCGGACCCGATACTTCTCAATGTGGAATCAGGCTGTGACAGTTACGATCC
TGATGTGCGGGTATTGAAAACCATGGTGTGGAGGATGAACTTCCCAACTACTGTTCCCACTGGATGGC
ATCGGTGTTCCCAACACAGCTACAAAAGCATCGTGCCGAACGGAGAAGATAACAACAACCTGGAAGGAGC
CGGAAGTCAACGGCACATCCGAAATGGCCAGGGCAACCTCTTTGCTATGGAGATCAACCTGCAGGCCAA
CCTTTGGCGGTCTTTTTGTACAGTAATGTGCGCCTCTATCTTCCAGACTTTACAAATATACCCCGAGC
AACGTGACTCTTCTGAGAATAAGAACACCTATGATTATATGAATGGTAGGGTCTACCACCTCCCTGG
TAGACACATATGTGAATATCGGGGCCAGGTGGTCCCTGGATGCCATGGACAATGTGAACCCCTTAAATCA
TACCGAAACGCTGGGTTGCGCTACCGCTCTATGCTGTTGGGAACGGACGCTACGTGCCTTTCCACATA
CAGGTGCCACAAAATTTTTCGCAGTGAAGAACCTTCTCCTGCTCCCTGGAAGCTATACCTACGAGTGG
ACTTCAGAAAGGATGTAACATGGTGTGACGTTCTTCTGGGCAACGATCTGAGAGTTGATGGAGCCAG
CATCAGTTTCACTTCCATTAATCTCTACGCTACTTTTCCCATGGCCATAACACCGCAAGCAGCCTT
GAGGCGATGTTGCGCAATGATACAAACGATCAGAGTTTCAACGATTATTTGTCCGCTGCGAATATGCTGT
ATCCGATCCCGCAACGCCACCAATATCCCATCTCAATCCCTCCCGAATGGGCGGCCTTTAGAGG
CTGGTCTTTCACACGCTGAAAACCAAGGAGACCCCATCTCTCGGATCTGGGTTTGACCCGTA
TACAGTGGATCCATTCCCTACCTGGACGGGACATTCTACCTCAATCACACATTAAAAAAGTGTCTATTA
TGTTGACAGCTCTGTGCTGGCCCGCAATGACCGCCTGCTGAGTCCCAATGAGTTCGAGATAAAAAAG
AACCGTTGACGGGAGGGCTACAACGTGGCCAGTGCAATATGACCAAGGACTGGTTTTCTGTCAGATG
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TCTTTAGAACTTTCAGCCGATGTCAGGCAGGTGGTTCGATGAAGTGAATTACAAGGATTTAAGCCGT
TGCAATCCATATCAGCACAATAATTCAGGATTCGTAGGGTACATGGCCCAACCATGAGACAGGGCCAG
CCGATCCCGCAAATTACCCCTATCCCTGATCGGTACGACCGCCGTGAACAGCGTTACACAGAAGAAGT
TTCTGTGTGATCGGACTATGTGGAGGATACCCTTTCTCTAATTTTATGAGCATGGGGGCACTGACCGA
CCTGGGCCAGAATGCTGTACGCTAATAGCGCCACGCTCTGGACATGACATTCGAGGTGGATCCTATG
GACGAGCAACCCCTCTACCTCCTTTTCGAGGTCTTTGATGTGTCGGGTCCACCAGCTCACCAG
GTATTATCGAGGCTGTATACTTGGGACTCTTTCTGCGGCAATGCTACTACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100087 representing AP_000585
 Red=Cloning sites Green=Tags

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MATPSMLPQWAYMHIAGQDASEYLSPLGVQFARATDITYFNLGNKFRNPTVAPTHDVTDRSQRLMLRFVP
VDREDNTYSYKVRVYTLAVGDNRLVDMASFFDIRGVLDRGPSFKPYSGTAYNSLAPKGAPNASQWIAKGV
PTAAAAGNGEEEHETEETATYTFANAPVKAEAQITKEGLPIGLEISAENESKPIYADKLYQPEPQVQDE
TWTDLDGKTEEYGGRALKPTTNMKPCYGSYAKPTNLKGGQAKPKNSEPSSEKIEYDIDMEFFDNSSQRTN
FSPKIVMYAENVGLETPDTHVVYKPGTEDTSSEANLGGQSMPNRPNYIGFRDNF IGLMYNSTGNMGVLA
GQASQLNAVVDLQDRNTELSYQLLLDSLGDRTYF SMWNQAVDSYDPDVRVIENHGVEDELPNYCFPLDG
IGVPTTSYKSIVPNGEDNNNWEPEVNGTSEIQGNLFAMEINLQANLWRSFLYSNVALYLPDSYKYTPS
NVTLPENKNTYDYMNGRVVPPSLVDTYVNI GARWSLDAMDVNPFPNHRNAGLRYRSMLLNGRYPFHI
QVPQKFFAVKNLLLLPGSYTYEWNFRKDVNMVLQSSLGNL RVDGASISFTSINLYATFFPMAHNTASTL
EAMLRNDTNDQSFNDYLSAANMLYPIPANATNIPISIPSRNWA AFRGWSFTRLKTKETPSLGS GFDPYFV
YSGSIPYLDGTFYLNHTFKKVSIMFDSSVSWPGNDRLLSPNEFEIKRTVDGEGYNVAQCNMTKDWFLVQM
LANYNIGYQGFYIPEGYKDRMYSFRNFQPMRSQVVDEVNYKDFKAVAIPYQHNSGFGVGMAPTRMQGQ
PYPANYPYPLIGTTAVNSVTQKKFLCDRTMWRI PFSSNFMSMGALTDLGQNM L YANSAHALDMT FEVDPM
DEPTLLYLLFEVFDVVRVHQPHRGIEAVYL RTPFSAGNATT
  
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000019

ORF Size: 2856 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:	<ol style="list-style-type: none">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:	<u>AC_000019.1</u> , <u>AP_000585</u>
RefSeq ORF:	2856 bp
MW:	107.3 kDa