

Product datasheet for **VC100161**

hexon (NC_012959) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hexon (NC_012959) 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 VC100161 represents NCBI reference of YP_003038612 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCCCTTACCGCCAGAGAGAGAGCAAGATGGCTACTCCATCAATGATGCCCCAGTGGGCTTACATGC
ACATCGCCGACAGGACGCCTCAGAATACCTGTCTCCCGGCTCGTCCAGTTTGCCGAGCGACAGATAC
TACTTTTCCCTCGAAATAAGTTCGCAATCCTACCGTTGCTCCCACTCACGATGTGACAACTGACCGC
TCACAGCGGCTGACCCTGCGATTCTGCGCCGTGGATAGAGAAGACACAACCTTACAGTTACAAGGCCCGCT
TTACCCTCGCGTGGGCGATAACCGCGTCTTGATATGGCCAGTACCTATTTTGATATCAGGGGCGTGT
GGACCGAGGACCCAGCTTAAACCTATAGTGGGACTGCCTATAATTCTTTGGCGCAAAGGGGCTCCA
AATTCCAGCCAATGGATCACTAAGCAGACCAATGCCGGTAAACGAAACAACGAAACCCACACGTACGGCG
TAGCCGCCATGGGCGGTGAGATATCACCATAAGGGGCTCAAATCGGCGTCGATAAGACTGAGAAATA
AAATGAGCCTATTTACGCAAACGAAATATATCAGCCCAACACAGGTCCGGTGAAGAGAACCTGCAGGAT
GTCGAGAATACTACGGCGGACGGCATTGAAGAAGGAAACAAAAATGAAACCATGCTACGGCAGTTTCG
CCAGACCCACAAACGAGAAGGGCGGACAAGCTGTGTTCAAGACCGCAACGACGGACAGCCAACCTACAGA
GCATGATATCACCATGGCATTTCGACACCCAGGCGACACTAACGCCGAAGATACGGAACCTTGAGGCC
GATATCGTTATGTATACGGAAACGTAATCTCGAGACACCAGATACACACGTGGTGTATAAACCTGGAC
CACTGGAGGACTCCTCCGAAATTAATCTTACGCAGCAATCTATGCCCAATCGCCCTAACTACATCGGATT
TCGCGACAACCTCGTGGCCCTCATGTACTACAACAGCACCGGCAATATGGGTGTGCTGGCCGGCCAGGCC
AGCCAGCTGAATGCCGTTGTGGATCTGCAAGATAGAAATACAGAGCTCCTACCAGCTTCTGCTGACT
CACTGGGAGACAGGACAAGGTATTTTCCATGTGGAATTCGCGCGTGGACTCATACGATCCGGATGTGAG
AATCATCGAAACACCGCGTTGAGGACGAGCTCCCGAATTATTGTTTCCCCCTGGATGGCGCCGGGACC
AACGCCACCTACCAGGGCGTGAAGGTTAAGAACGGGCAGGACGGCGATAATAACGCAGAATGGGAGAAGG
ACAACGCTGTGGCTGACCGGAACAGATTTGTAAGGGAACATCGTGGCCATGGAATCAACCTGCAGGC
CAATCTGTGGAAGAGTTTCTGTATTCTAACGTCGCACTTTACCTCCCTGATAGCTTTAAATATACTCCT
GCAAACGTGACTTCTTACCAATACTAATACATACGAGTACATGAACGGCCGAGTCGTGGCTCCAGCC
TCGTGGACGCTACGTGAATATCGGTGCCCGCTGGTCTTGACCCTATGGATAATGTAACCCCTTCAA
CCACCATAGGAATGCCGCTCCGATACAGATCTATGCTCCTGGGCAACGGGAGTACGTACCGTCCAT
ATACAGGTCCCGCAGAAGTTTTTGCCATTAACAACTGTTGCTGCTCCGGGCTCTTATACCTACGAAT
GGAACCTCCGCAAGGATGTGAACATGATACTGCAGTCTAGTCTTGAAATGATCTTCGGGTTGATGGTGC
ATCTGTGAGATTCGACTCAGTGAACCTGTACGCGACCTTTTTCCCTATGGCACACAACACTGCCAGTACC
CTCGAGGCCATGCTGCGGAACGACACCAATGACCAGTCTTTAACGACTACCTGTGAGCTGCAAACATGC
TCTACCCATTCCGGCCAAAGCCACCAATGATCCCATCAGTATCCCATCACGCAATTTGGGCGCTTTTCG
AGGGTGGAGCTTCACTAGGCTCAAGACCAAGAGACGCCTAGCCTGGGCTCAGGGTTCGACCCCTATTTTC
GTCTATAGCGGCTCCATACCATACTTGGACGGAACCTTTTATCTGAACCACTTTTAAAGAAAGTAAGCA
TCATGTTGATAGCTCCGTGCTTGGCCCGCAACGATCGTTGCTTACCCTAACGAATTCGAGATCAA
GCGGTCTGTGGACGAGAAAGGCTATAACGTCGCTCAGTGAATATGACCAAGGACTGGTTTCTCATTGAG
ATGCTCTCTCATTATAATATTGGTTATCAGGGTTTTACGTCGCCAGAGGGTTATAAAGACCGAATGTATA
GCTTCTCAGAAACTTCCAGCCAATGAGCAGGCAGGTGGTGGACGAAATTAATTATAAGGACTACAAAGC
GGTAGCGTTGCCGTTCCAACATAACAATTCAGGCTTACCAGGCTACCTGGCTCCACGATGCGACAGGGC
CAGCCATACCCGGCAAACCTCCCGTACCCACTGATAGGGGAGACCGCGTACCCTCAGTACTCAGAAAG
AATTTTTGTGCGACCGCGTGTGCGCAATCCCATTTAGTTCCAATTTTCATGTCCATGGGAGCTCTCAC
CGACCTGGGCGAACAATGCTTTACGCGAATAGTGCACACGCCTTGATATGACTTTTGAAGTGGACCCA
ATGGATGAGCCTACTCTCTGTACTCTTTCGAGGTGTTGACGTCGTCGGGTCACCAACCTCACC
GAGGGTTCATCGAGGCTGTCTACCTCCGACTCCATTCTCTGCGGCAATGCCACCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100161 representing YP_003038612
 Red=Cloning sites Green=Tags

MCLTARERAKMATPSMMPQWAYMHIAGQDASEYLSPLGVQFARATDTYFSLGNKFRNPTVAPTHDVTDDR
 SQRLTLRFVPVDREDDTYSYKARFTLAVGDNRLVDMASTYFDIRGVLDRGPFKPYSGTAYNSLAPKGP
 NSSQWITKQTNAGNETTKTHTYGAAMGGADITIKGLQIGVDKTENKNEPIYANEIYQPEPQVGEENLQD
 VENYYGGRALKKETKMKPCYGSFARPTNEKGGQAVFKTGNDGQPTTEHDI TMAFFDTPGDTNAEDTELEA
 DIVMYTENVNLETPDTHVYKPGPLEDSSEINLTQQSMPNRPNYIGFRDNFVGLMYNSTGNMGVLAGQA
 SQLNAVVDLQDRNTELSYQLLLDSLGDRTYFSMWNSAVDSYDPDVRI IENHGVEDELPNYCFPLDGAGT
 NATYQGVKVKNGQDGDNNAEWEKDNAVADRNIQICKGNIVAMEINLQANLWKSFLYSNVALYLPDSFKYTP
 ANVTLPTNTTYEYMNGRVVAPSLVDAVYVIGARWLDPMDNVNPFNHHRNAGLRYSMLLGNGRYVPFH
 IQVPQKFFAIKNLLLLPGSYTYEWNFRKDVNMILQSSLGNDLRVDGASVRFDSVNLATFFPMAHNTAST
 LEAMLNNDTNDQSFNDYLSAANMLYPIPAKATNPV I SIPSRNWAAFRGWSFTRLKTKETPSLGSFGDPYF
 VYSGSIPYLDGTFYLNHTFKKVSIMFDSSVSWPGNDRLLTPNEFEIKRSVDGEGYNVAQCNMTKDWFLIQ
 MLSHYNIQYQGFHVPEGYKDRMYSFFRNFPMSRQVVDEIN YKDYKAVALPFQHNSSGFTGYLAPTRMQG
 QPYPANFPYPLIGETAVPSVTQKKFLCDRVMWRIPFSSNFMSMGALTDLQGNMLYANSAHALDMTFEVDP
 MDEPTLLYLLFEVFDVVRVHQPARGVIEAVYLRTPFSAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_012959

ORF Size: 2859 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:	NC_012959.1, YP_003038612
RefSeq ORF:	2859 bp
MW:	107.4 kDa