

Product datasheet for **VC100015**

hexon (AC_000017) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hexon (AC_000017) 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 VC100015 represents NCBI reference of AP_000512 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACTCCTTCCATGATGCCACAATGGTCTTATATGCACATCTCCGGACAGGATGCATCTGAGTATT
 TGTCCCCAGGACTGGTGCAGTTCGCCAGGGCCACAGAGACATATTTCTCTCTGAACAATAAGTTCAGGAA
 CCTACCGTGGCTCCTACCCACGATGTGACTACCGACCGATCTCAGAGACTCACCTTGCCTTTATTCTCT
 GTGGATCGAGAGGACACCGCTACTCTACAAAGCCCGTTACTTTGGCAGTAGGCGACAATAGAGTTC
 TGGATATGGCCAGTACATATTTTGATATTAGAGGCGTCTGGACCGGGACCTACCTTCAAGCCTTACAG
 CGGCACAGCCTATAACGCGCTGGCCCTAAAGGCGCACCTAACTCTGCGAGTGGGAGCAGGAGGAGCCA
 ACACAGGAAATGGCAGAGGAGCTCGAGGACGAAGAGGAGGCAGAAGAAGAGGAGGCTGAGGAGGAGCCG
 AAGCGCCCAGGCGACAGAAGGTCAAGAAAACCCATGTATACGCACAGGCGCCCTGGCCGGAGAGAA
 GATTACGGCCAATGGGCTGCAGATAGTCTCCGACACCCAGACCGAAGGAAATCCCGTGTTCGCCGATCCG
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 GCGTCTTGAAGAAGCAACTCCGATGAAGCCTTGCTACGGTTCCTACGCCGGCCAAACAAGAATGG
 AGGCCAAGGATCCTGGTGGCCAACAACCAAGGCGCTCTGGAGAGCAAAGTGGAGATGCAATTTCTTGCC
 CCGTCCGGCAGTCTATGAACGAAAGAAACGCCGTACAGCCCAGCATTGTTCTCTATAGCGAAGACGTAA
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 CCTTGACTATATGGATAATGTCAACCCCTTCAACCACCATCGAAATGCCGGCCTCAGATATAGATCTATG
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 CTCTGCAGGAAACGCCACCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100015 representing AP_000512
Red=Cloning sites Green=Tags

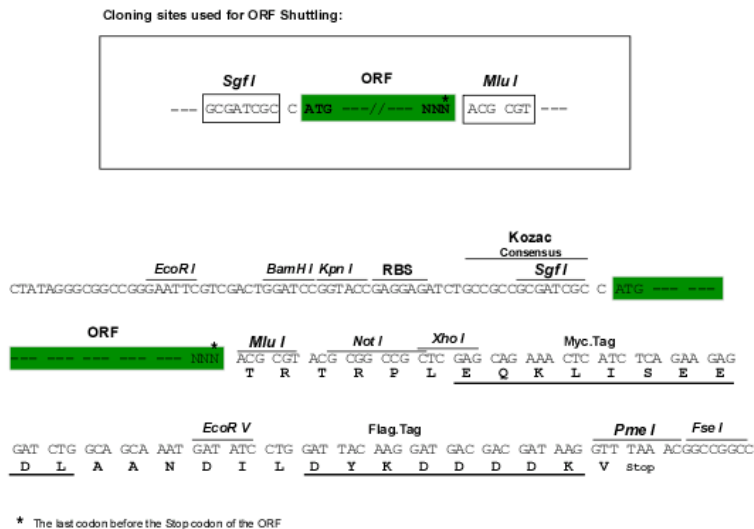
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 EQEMAELEDEEEAEAEAEAEAEAPQADQKVKKTHVYAQAPLAGEKITANGLQIVSDTQTEGNPVFADP
 TYQPEPQVGESQWNEAEATASGGRLKKTTPMKPCYGSYARPTNKGQGILVANNQGALESKVMQFFA
 PSGTAMNERNAVQPSIVLYSEDVNMETPDTHISYKPSKTDENSKAMLGQQAMPNRPNYIAFRDNFIGL
 MYNSTGNMGLVLAGASQLNAVVDLQDRNTELSYQLLLDSIGDRTRYFSMWNQAVDSYDPDVRIIENH
 GTDELPNYCFPLGGIGVTDITYQGIKSNNGNPNQWTKNDFAARNEIGVGNNFALEINLNANLWRN
 FLYSNIALYLPDKLKYPTNVEISPNPNSYDYMNRVAVPLVDCYINL GARWSDYMDNVNPNHHRN
 AGLRYRSM L L G N G R Y V P F H I Q V P Q K F F A I K N L L L P G S Y T Y E W N F R K D V N M V L Q S S L G N D L R V D G A S I K F D S I C L Y A T
 FFPMAHNTASTLEAMLRNDTNDQSFNDYLSAANMLYPIANATNVPISIPSRNWAAFRGWAFTRKTKET
 PSLGSGYDPYYTSGSIPYLDGTFYLNHTFKKVAITFDSSVSWPGNDRLLTPNEFEIKRSVDGEGYNVAQ
 CNMTKDWFLVQMLANYNIGYQGFYIPESYKDRMYSFFRNFPQMSRQVVD DTKYKDYQQV GILHQHNSGF
 VGYLAPTMREGQAYPANFPYPLIGKTAVDSITQKFLCDRTLWRIPFSSNFMMSGALTDLGQNLLYANSA
 HALDMTFEVDPMDEPTLLYVLFVFDVVRVHQPHRQVVIETVYLRTPFSAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000017

ORF Size: 2892 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_000017.1</u> , <u>AP_000512</u>
RefSeq ORF:	2892 bp
MW:	108.8 kDa