

Product datasheet for **VC100192**

hexon (AC_000018) Virus Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | hexon (AC_000018) 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 VC100192 represents NCBI reference of AP_000548 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACTCCCTCTATGATGCCCAATGGGCATACATGCATATCGCAGGACAGGACGCCAGCGAATATC
TGTCAACCCGGGCTCGTGCAGTTTCTCGCGCTACCGACACCTACTTTTCAATGGGGAATAAGTTCAGGAA
CCCCACCGTGGCACCAACTCACGATGTGACAACTGACAGATCTCAGAGATTGATGCTCCGGTTCGTGCCT
GTTGATAGAGAGGACAATACCTATAGTTACAAGGTTAGGTATACACTGGCTGTGGGCGATAACAGGGTGC
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GAGGATAACGCTACAACCTATACATTCCGATTGCTCCACCAAAGGCGACAACATAACAAAGGAAGGCC
TTGAAATCGGAAAGGACATAACCCCGGATAACAAGCCCATCTACGCAGATAAGACCTACCAGCCTGAGCC
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CCAGCCACTAAAATGAAGCCGTGTACGGTCTTTGCCCGCCCTACTAACATCAAAGGGGGCCAGGCGA
AGAACAGGAAGGTGACTCCTACGGAGGGAGATGTTGAGGCAGAGGAACCAGACATCGATATGGAATTCCT
TGATGGTAGGGAAGCGGCCGATGCTTTCTACCAGAGATTGATTTGTATACCGAGAATGTCAACCTGGAG
ACACCGGACAGCCACGTAGTTTACAACCCGGAACCAAGTACGCGAAATAGTCATGCTAACCTCGGTCAGC
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TACCCGAAATATGGGTGACTCGCAGGACAGGCTAGTCAGTGAACGCTGTAGTAGACCTGCAGGACCCG
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ATCAAGCAGTGGACAGCTATGATCCGGACGTGAGGATTATTGAAAATCACGGTGTGAAGATGAGCTGCC
CAACTACTGCTTTCCGCTGGACGGAATCGGACCCGGGAACAAGTACCAAGGTATTAACCTCGCGATACT
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CATCAACCTCACAGAGGGGTGATCGAGGACGCTACCTCAGAACACCATTTCCGCTGGCAACGCAACCA
CC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100192 representing AP_000548
 Red=Cloning sites Green=Tags

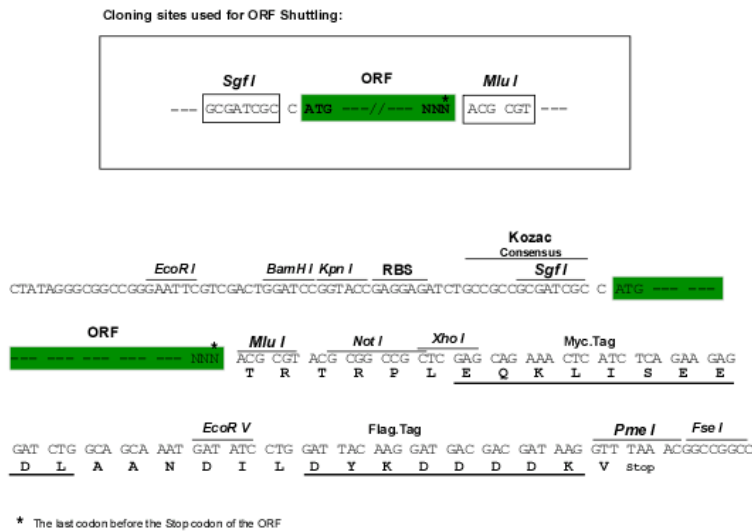
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 EDNATTYTFGIASKGDNITKEGLEIGKDITADNKPIYADKTYQPEPQVGEESWTDIDGTNEKFGGRALK
 PATKMKPCYGSFARPTNIKGGQAKNRKVTPTEGDVEAEEPIDIMEFFDGREAADAFSPEIVLYTENVNLE
 TPDSHVYKPGTSDGNSHANLGQQAMPNRPNYIGFRDNFVGLMYNSTGNMGVLAGQASQLNAVVDLQDR
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 AWEKDTKVSTANEIAIGNNLAMEINI QANLWRSFLYSNVALYLPDVYKYTPNITLPANTNTYEYMNGRV
 VSPSLVDSYINIGARWSLDPMDNVNPFNHHRNAGLRYSMLLGNRGYVPFHIQVPQKFFAVKNLLLLPGS
 YTYEWNFRKDVNMLVQSSLGNDLRTDGANISFTSINLYATFFPMAHNTASTLEAML RNDTNDQSFNDYLS
 AANMLYIPANATNIPISIPSRNWA AFRGWSFTR LKTKETPSLGS GFD P YVYSGSIPYLDGTFYLNHTF
 KKV SIMFDSSVSWPGNDRLLSPNEFEIKRTVDGEGYNVAQCNMTKDWFLVQMLANYNIGYQGFYIPEGYK
 DRMYSFFRNFPMSRQVVDEVNYTDYKAVTLPYQHNSGFVGYLAPTMRQGEYPYPANYPYPLIGTTAVKS
 VTQKKFLCDRTMWRIPFSSNFMSGALTDLGQNLLYANSAHALDMTFEVDPMDEPTLLYLLFEVFDVVRV
 HQPHRGVIEAVYLRTPF SAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: AC_000018

ORF Size: 2802 bp

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| 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_000018.1</u> , <u>AP_000548</u> |
| RefSeq ORF: | 2802 bp |
| MW: | 105.2 kDa |