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Product datasheet for VC100124

hexon (AC_000008) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hexon (AC_000008) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hexon
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100124 represents NCBI reference of AP_000211 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTACCCCATCAATGATGCCACAGTGGAGCTACATGCATATCTCCGGGCAGGATGCCAGCGAGTACC
TTTCACCAGGCCTGGTCCAGTTCGCTAGGGCTACCGAGACCTACTTCAGCTTGAATAATAAGTTCCGGAA
CCCAACTGTGGCACCAACCCACGACGTCACAACGGATCGATCTCAGCGCTTGACCCTGCGATTTATCCCT
GTGGATCGCGAAGATACCGCCTACAGCTACAAGGCACGCTTTACTTTGGCAGTAGGAGATAATCGAGTCT
TGGACATGGCCTCAACATATTTCGATATCAGGGGGGTCCTGGACAGGGGACCTACCTTTAAACCATACAG
CGGCACCGCCTACAACGCTCTTGCACCAAAAGGCGCCCCAAACCCGTGCGAGTGGGACGAGGCTGCGACT
GCTCTTGAAATCAACCTGGAGGAAGAAGATGATGATAACGAGGATGAGGTTGATGAACAAGCCGAGCAGC
AGAAGACACATGTTTTCGGTCAGGCTCCATATAGCGGGATTAACATAACAAAGGAGGGCATTCAGATCGG
TGTGGAGGGCCAGACCCCTAAATACGCCGATAAAACCTTTCAGCCCGAGCCCCAGATTGGAGAGTCCCAG
TGGTACGAGACAGAGATTAACCACGCCGCCGGCCGGGTGCTGAAGAAAACGACACCGATGAAACCCTGCT
ATGGATCTTACGCAAAACCTACCAACGAAAACGGCGGACAGGGCATTCTGGTGAAGCAACAGAACGGAAA
GCTTGAAAGTCAGGTGGAAATGCAATTTTTCAGCACTACCGAGGCCACCGCAGGGAATGGGGATAACCTG
ACCCCAAAAGTGGTGCTGTACAGCGAAGACGTTGATATCGAGACCCCGGATACCCACATTAGTTATATGC
CCACAATCAAGGAGGGTAACAGCCGGGAGCTTATGGGACAACAATCAATGCCGAATAGACCAAATTACAT
AGCCTTTAGAGATAATTTCATTGGGCTGATGTACTACAATTCCACGGGAAACATGGGCGTGCTCGCCGGC
CAGGCCAGCCAGCTTAACGCTGTAGTGGACCTGCAAGATAGGAACACTGAACTCTCCTACCAGCTGCTCC
TTGATTCAATTGGGGATAGGACTAGATATTTTAGTATGTGGAACCAGGCCGTGGACAGTTACGACCCCGA
CGTGAGGATAATTGAGAACCACGGCACGGAGGACGAACTGCCAAATTATTGCTTTCCCTTGGGGGGTGTT
ATAAATACCGAAACCCTTACTAAAGTGAAGCCCAAGACCGGACAGGAGAATGGATGGGAGAAAGACGCAA
CCGAATTTTCTGATAAAAATGAAATCCGGGTCGGGAACAATTTCGCCATGGAGATCAACCTCAATGCAAA
CCTGTGGCGCAACTTTTTGTATTCAAACATCGCACTGTATCTGCCTGACAAACTGAAATACTCTCCTAGC
AACGTCAAGATAAGTGACAATCCTAATACTTATGATTACATGAACAAGAGGGTGGTCGCACCAGGCCTGG
TGGATTGTTATATTAACCTGGGGGCTCGATGGTCCTTGGATTATATGGACAATGTGAATCCCTTCAATCA
CCACAGGAACGCCGGACTCCGATATAGATCTATGCTTCTCGGCAACGGTAGGTATGTCCCCTTTCATATT
CAGGTACCTCAGAAGTTTTTCGCCATTAAAAACCTCCTGCTGCTTCCAGGCTCCTACACTTATGAATGGA
ACTTCCGGAAGGACGTGAACATGGTTCTTCAGTCCAGCCTCGGTAACGATCTGCGCGTGGACGGTGCCTC
TATTAAGTTTGACTCCATCTGTCTTTATGCAACTTTCTTTCCTATGGCGCATAATACAGCCTCAACTCTG
GAGGCAATGCTGAGAAATGATACCAACGATCAATCTTTTAACGATTACCTGAGCGCAGCCAACATGCTGT
ACCCCATCCCTGCCAATGCAACCAACGTACCAATCTCTATCCCTTCAAGAAACTGGGCTGCCTTTCGAGG
CTGGGCTTTTACTAGACTGAAAACTAAAGAGACACCCTCCCTGGGAAGCGGCTACGACCCCTATTATACA
TATTCTGGCAGCATACCCTACTTGGACGGAACCTTTTACCTGAATCACACCTTCAAAAAAGTGGCAATTA
CATTCGATTCTTCCGTCTCATGGCCTGGAAATGATCGGCTCCTGACTCCCAACGAGTTCGAGATTAAGCG
GAGCGTTGACGGCGAGGGCTATAATGTGGCCCAGTGTAACATGACGAAAGATTGGTTCTTGGTGCAGATG
CTGGCCAACTACAATATTGGCTACCAGGGCTTTTACATACCGGAAAGCTACAAAGATAGGATGTACTCAT
TCTTTAGAAACTTCCAGCCTATGAGCAGACAGGTCGTGGACGATACTAAGTACAAAGACTACCAGCAGGT
CGGAATCCTGCATCAACATAATAACTCTGGGTTTGTGGGCTATCTTGCCCCTACCATGAGAGAGGGACAA
GCCTACCCCGCCAACTTTCCTTACCCTCTTATTGGAAAAACCGCAGTGGACAGCATTACGCAGAAGAAAT
TCCTTTGCGATAGGACCCTTTGGCGCATTCCATTCTCCTCCAACTTCATGTCTATGGGTGCTCTGACTGA
TCTCGGCCAGAACCTTCTTTACGCCAATAGCGCCCACGCCCTCGATATGACCTTCGAGGTGGATCCCATG
GACGAACCCACGCTGCTGTACGTGCTGTTTGAAGTATTCGATGTAGTGCGCGTGCACAGACCTCACAGAG
GAGTGATCGAAACTGTTTACTTGCGCACCCCCTTTAGTGCCGGCAACGCTACCACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

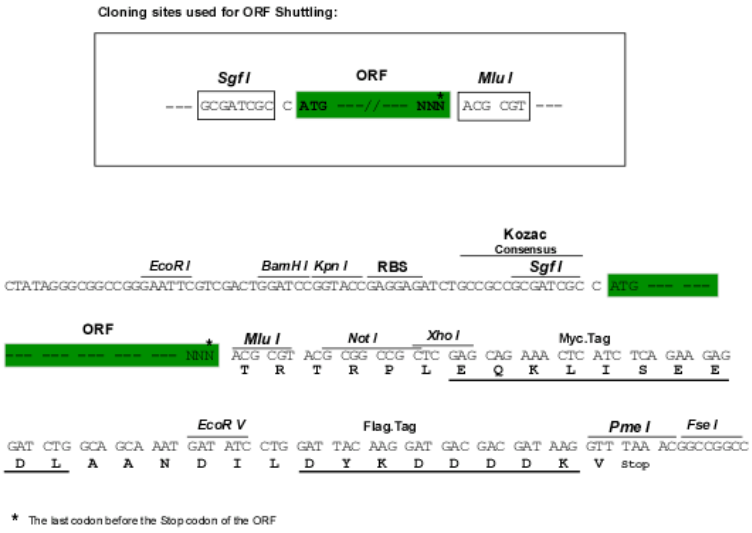
>VC100124 representing AP_000211
Red=Cloning sites Green=Tags

MATPSMMPQWSYMHISGQDASEYLSPGLVQFARATETYFSLNNKFRNPTVAPTHDVTTDRSQRLTLRFIP
VDREDTAYSYKARFTLAVGDNRVLDMASTYFDIRGVLDRGPTFKPYSGTAYNALAPKGAPNPCEWDEAAT
ALEINLEEEDDDNEDEVDEQAEQQKTHVFGQAPYSGINITKEGIQIGVEGQTPKYADKTFQPEPQIGESQ
WYETEINHAAGRVLKKTTPMKPCYGSYAKPTNENGGQGILVKQQNGKLESQVEMQFFSTTEATAGNGDNL
TPKVVLYSEDVDIETPDTHISYMPTIKEGNSRELMGQQSMPNRPNYIAFRDNFIGLMYYNSTGNMGVLAG
QASQLNAVVDLQDRNTELSYQLLLDSIGDRTRYFSMWNQAVDSYDPDVRIIENHGTEDELPNYCFPLGGV
INTETLTKVKPKTGQENGWEKDATEFSDKNEIRVGNNFAMEINLNANLWRNFLYSNIALYLPDKLKYSPS
NVKISDNPNTYDYMNKRVVAPGLVDCYINLGARWSLDYMDNVNPFNHHRNAGLRYRSMLLGNGRYVPFHI
QVPQKFFAIKNLLLLPGSYTYEWNFRKDVNMVLQSSLGNDLRVDGASIKFDSICLYATFFPMAHNTASTL
EAMLRNDTNDQSFNDYLSAANMLYPIPANATNVPISIPSRNWAAFRGWAFTRLKTKETPSLGSGYDPYYT
YSGSIPYLDGTFYLNHTFKKVAITFDSSVSWPGNDRLLTPNEFEIKRSVDGEGYNVAQCNMTKDWFLVQM
LANYNIGYQGFYIPESYKDRMYSFFRNFQPMSRQVVDDTKYKDYQQVGILHQHNNSGFVGYLAPTMREGQ
AYPANFPYPLIGKTAVDSITQKKFLCDRTLWRIPFSSNFMSMGALTDLGQNLLYANSAHALDMTFEVDPM
DEPTLLYVLFEVFDVVRVHRPHRGVIETVYLRTPFSAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000008

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:	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:	AC_000008.1, AP_000211
RefSeq ORF:	2856 bp
MW:	108.0 kDa