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Product datasheet for VC100044

hexon (AC_000007) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hexon (AC_000007) 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 VC100044 represents NCBI reference of AP_000175 with codon optimized for human cell expression
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACCCCATCAATGATGCCCCAGTGGTCCTATATGCATATCAGCGGGCAGGACGCAAGCGAGTATC
TCAGCCCCGGCCTCGTGCAGTTCGCCCGGGCAACCGAAACCTATTTTTCCCTGAATAACAAGTTCAGAAA
CCCCACCGTAGCTCCTACGCACGACGTCACTACTGACCGAAGCCAGAGACTGACACTTCGCTTTATCCCT
GTCGACCGCGAAGATACTGCTTACTCCTACAAGGCACGCTTCACTCTTGCCGTTGGAGACAACCGGGTTT
TGGACATGGCAAGCACATACTTTGACATTAGAGGTGTCCTGGACAGGGGACCCACCTTCAAACCTTATTC
TGGCACCGCTTATAACGCATTGGCCCCGAAAGGAGCCCCTAATAGCTGTGAATGGGAACAAACAGAAGAT
AGTGGCAGGGCCGTTGCTGAGGACGAGGAGGAGGAGGACGAAGACGAGGAAGAGGAAGAGGAAGAGCAGA
ACGCTAGAGATCAAGCTACGAAGAAGACACATGTCTACGCACAGGCACCTCTGAGCGGGGAAACAATTAC
AAAGTCCGGCCTCCAGATCGGCTCAGACAACGCTGAAACCCAGGCTAAACCAGTTTACGCCGATCCCTCC
TACCAGCCCGAGCCACAGATCGGCGAATCTCAGTGGAACGAAGCGGACGCCAACGCCGCTGGTGGTCGAG
TGCTGAAAAAGACTACTCCCATGAAACCGTGCTATGGCTCCTACGCTAGACCTACCAACCCATTCGGTGG
GCAGTCCGTCCTGGTGCCTGACGAAAAGGGCGTGCCGCTGCCTAAGGTTGACCTGCAATTCTTCTCAAAC
ACTACATCCCTGAACGATCGGCAAGGCAACGCGACTAAACCTAAGGTTGTCCTTTATTCAGAGGACGTGA
ATATGGAAACCCCGGATACTCATCTGAGCTACAAGCCAGGAAAAGGCGATGAGAACAGTAAAGCAATGCT
TGGACAACAGTCAATGCCTAACAGACCCAACTACATTGCGTTTCGCGACAATTTTATTGGCCTGATGTAT
TACAATTCCACAGGCAATATGGGCGTCTTGGCTGGACAGGCAAGCCAGCTCAACGCCGTAGTGGATCTGC
AGGACAGGAACACGGAACTGAGCTACCAGCTCCTTCTTGACTCCATCGGCGACCGGACCCGCTATTTCAG
TATGTGGAACCAGGCGGTTGATTCCTATGACCCCGACGTGAGAATAATAGAGAACCACGGTACTGAGGAT
GAGTTGCCAAACTACTGCTTCCCATTGGGAGGAATCGGAGTGACCGACACGTATCAGGCCATAAAAGCCA
ATGGCAATGGATCAGGCGATAATGGCGACACGACATGGACTAAGGATGAGACTTTCGCCACTCGGAATGA
GATCGGCGTAGGTAACAACTTCGCCATGGAAATTAATTTGAACGCTAATCTGTGGCGGAATTTTCTGTAC
TCTAATATAGCCCTGTATCTGCCAGATAAGCTGAAATACAACCCCACAAACGTAGAAATCTCCGACAATC
CTAACACTTATGACTACATGAACAAGAGGGTGGTGGCCCCAGGCCTGGTGGACTGTTACATCAACCTGGG
CGCCCGCTGGTCTCTGGATTACATGGACAATGTGAATCCTTTTAACCACCACAGAAATGCTGGGCTGCGC
TACCGGAGCATGCTGCTCGGTAATGGACGATACGTGCCTTTTCACATTCAGGTGCCCCAAAAGTTTTTCG
CAATTAAAAATCTGCTCCTCCTGCCAGGTTCTTATACTTATGAGTGGAACTTCAGGAAAGATGTGAACAT
GGTGCTGCAATCCTCCCTTGGTAATGACTTGCGGGTGGACGGGGCCTCCATTAAGTTTGACTCCATCTGC
CTGTACGCAACTTTCTTTCCCATGGCACACAATACCGCTTCTACGCTCGAGGCGATGCTGAGGAACGACA
CTAATGACCAGAGCTTTAATGATTACTTGAGCGCTGCTAACATGCTCTACCCCATTCCAGCAAACGCCAC
TAACGTACCTATCAGCATTCCATCTCGGAACTGGGCGGCATTCAGAGGCTGGGCTTTTACCCGCCTCAAA
ACCAAAGAGACTCCCTCCCTCGGGTCTGGCTACGATCCCTATTACACATACTCCGGCTCCATCCCTTACC
TTGACGGAACTTTCTACCTTAACCACACCTTTAAAAAAGTGGCTATAACTTTCGACTCCTCTGTGTCATG
GCCCGGGAATGACCGGCTTCTGACTCCAAATGAATTTGAGATCAAGAGAAGCGTGGATGGAGAGGGTTAT
AATGTGGCGCAGTGCAACATGACCAAGGATTGGTTTCTTGTGCAGATGCTGGCCAACTATAACATCGGCT
ACCAGGGGTTTTACATACCCGAATCTTACAAAGACAGGATGTACTCATTTTTCCGAAATTTTCAACCAAT
GTCAAGGCAGGTTGTGGACGATACCAAATATAAAGAGTACCAGCAGGTCGGTATACTGCACCAACACAAC
AATTCAGGTTTTGTGGGCTATCTGGCCCCAACCATGAGAGAGGGCCAGGCCTACCCTGCCAATGTTCCGT
ATCCGTTGATTGGCAAGACGGCCGTAGATTCTATAACCCAGAAGAAATTCCTCTGCGATAGAACACTTTG
GCGGATTCCCTTTTCTAGCAATTTCATGTCCATGGGTGCCCTGACGGATTTGGGTCAGAATCTTCTGTAT
GCCAATAGTGCTCATGCCCTTGACATGACTTTTGAGGTGGACCCCATGGATGAACCAACCCTCCTTTACG
TTCTGTTCGAAGTTTTCGATGTGGTGCGCGTCCATCAGCCCCACAGAGGGGTGATCGAGACCGTCTATCT
GCGGACACCATTCTCAGCCGGCAACGCAACTACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

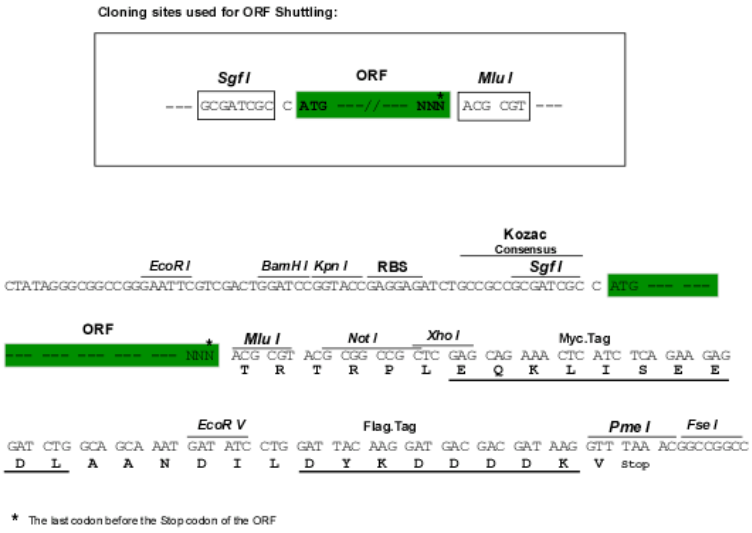
>VC100044 representing AP_000175
Red=Cloning sites Green=Tags

MATPSMMPQWSYMHISGQDASEYLSPGLVQFARATETYFSLNNKFRNPTVAPTHDVTTDRSQRLTLRFIP
VDREDTAYSYKARFTLAVGDNRVLDMASTYFDIRGVLDRGPTFKPYSGTAYNALAPKGAPNSCEWEQTED
SGRAVAEDEEEEDEDEEEEEEEQNARDQATKKTHVYAQAPLSGETITKSGLQIGSDNAETQAKPVYADPS
YQPEPQIGESQWNEADANAAGGRVLKKTTPMKPCYGSYARPTNPFGGQSVLVPDEKGVPLPKVDLQFFSN
TTSLNDRQGNATKPKVVLYSEDVNMETPDTHLSYKPGKGDENSKAMLGQQSMPNRPNYIAFRDNFIGLMY
YNSTGNMGVLAGQASQLNAVVDLQDRNTELSYQLLLDSIGDRTRYFSMWNQAVDSYDPDVRIIENHGTED
ELPNYCFPLGGIGVTDTYQAIKANGNGSGDNGDTTWTKDETFATRNEIGVGNNFAMEINLNANLWRNFLY
SNIALYLPDKLKYNPTNVEISDNPNTYDYMNKRVVAPGLVDCYINLGARWSLDYMDNVNPFNHHRNAGLR
YRSMLLGNGRYVPFHIQVPQKFFAIKNLLLLPGSYTYEWNFRKDVNMVLQSSLGNDLRVDGASIKFDSIC
LYATFFPMAHNTASTLEAMLRNDTNDQSFNDYLSAANMLYPIPANATNVPISIPSRNWAAFRGWAFTRLK
TKETPSLGSGYDPYYTYSGSIPYLDGTFYLNHTFKKVAITFDSSVSWPGNDRLLTPNEFEIKRSVDGEGY
NVAQCNMTKDWFLVQMLANYNIGYQGFYIPESYKDRMYSFFRNFQPMSRQVVDDTKYKEYQQVGILHQHN
NSGFVGYLAPTMREGQAYPANVPYPLIGKTAVDSITQKKFLCDRTLWRIPFSSNFMSMGALTDLGQNLLY
ANSAHALDMTFEVDPMDEPTLLYVLFEVFDVVRVHQPHRGVIETVYLRTPFSAGNATT

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000007

ORF Size: 2904 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_000007.1, AP_000175
RefSeq ORF:	2904 bp
UniProt ID:	P03254
MW:	109.2 kDa