

Product datasheet for **VC100918**

UL52 (NC_001798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UL52 (NC_001798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UL52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100918 represents NCBI reference of NP_044523 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACAGAGGATTGTGACCACGAAGGACGCAGCGTCGCAGCCCCCGTGAAGTCACAGCCCTGTATG
CGACCGATGGCTGTGTTATCACTAGCAGCCTGGCACTGCTGACAAATTGTTTGTGGGGCAGAACCACT
GTATATCTTTCATATGACGCATATCGCAGCGATGCCCAACGGTCTACAGGGGCTCCAACCGAGCAG
GAAAGGTTTCGAGGGGTCCTGGGCTCTCTATAGGGATGCCGGTGGTCTGAACGGTGATTCTTTCAGAGTGA
CATTCTGCCTCCTGGGAACCGAAGTAGGCGTCACCCACCACCCAAAGGGGCGGACAAAGACCCATGTTCTGT
CTGCAGATTTGAGAGGGCAGATGACGTCGCTGTGCTGCAGGATGCGTTGGGCAGGGGGACCCCCCTGCTG
CCAGCTCATGTGACTGCAACCCTCGATCTGGAGGCAACCTTTGCTCTGCACGCAAATATTATAATGGCAC
TGACAGTGGCTATTGTGCACAACGCTCCTGCACGATTGGTTCTGGCTCCACAGCTCCTTTGTACGAACC
TGGAGAGAGTATGCGATCTGTGGTCGGACGAATGAGCCTTGGACAGCGGGGACTGACCACACTCTTCGTG
CACCACGAAGCCCGGTCTCGGCGCATACCGCCGGGCATATTATGGAAGTCACAGAGCCCGTTTTGGT
TTCTGTCCAAGTTTGGCCGGATGAGAAGAGCCTCGTTCTCGCTGCACGATACTATCTGTTGCAGGCGCC
TCGACTCGGCGGCGCAGGGGCCACCTATGACTTGCAGGCTGTCAAGGATATCTGTGCCACTTATGCTATA
CCCCACGATCCCCGACCTGACACTCTCTCAGCAGCTAGTCTGACGAGTTTGTGCTGCGATTACCAGGTTCT
GCTGCACCTCCCAGTATTCAAGAGGGGCTGCCCGGCAGGCTTCCCCTTGTATGTCGAAAGAAGGATCGC
CGCTGACGTTAGGGAGACTGGTGCCTCGAGAAGTTTCATCGCGCATGACAGAAGCTGCTTGCAGTGAGT
GATAGGGAGTTTATTACTTATATACTTGGCACATTTTGTAGTGCTTTAGTCCCCAAGACTGGCAACCC
ACCTGCGGGCGGTGACCACATGATCCTAGTCTGCTGCAAGTACAGAGCAGCCATCCCCCTTGGGACG
GGAGGCCGTTGAGCAGTTTTTTCGGCATGTACGAGCCAGCTCAACATTCGCGAGTATGTTAAGCAAAT
GTGACACCTCGCAAACGGCACTGGCCGGAGACGCCGCCGCTGCCTACCTGAGGGCCAGAACATATGCTC
CAGCCGCTGACCCCTGCACCTGCCTATTGTGGGGTGGCCGATTCTCTACAAAAATGATGGGGAGGCT
GGCTGAAGCCGAGAGACTTCTGGTGCCTATGGGTGGCCTGCTTCTGCTCCTACTACCCAGGTGATGAC
GCCGGTGGCGGGACAGCTGCACCTCAGACATGCCGGATCGTTAAAAGGCTCCTGAAGTTGCAGCCACAG



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AGCAACAGGGTACTACCCCCCAGCTATTGCAGCGCTGATGCAGGACGCATCAGTGCAAACACCTCTGCC
AGTATACAGAATTACCATGAGTCCAACCTGGGCAGGCTTTCGCTGCCGCAGCCAGAGACGACTGGGCTAGG
GTGACAAGAGATGCAAGACCCCCGGAAGCCACGGTCGTCGCAGATGCTGCTGCCGCCAGAGCCAGGAG
CACTGGGAAGACGCTTGACGCGGAGAATTTGTGCACGGGGACCTGCCCTCCCTCCAGGGGGTCTTGCCGT
AGGAGGCCAGATGTACGTTAACAGAAATGAGATTTTCAATGCCGCGCTGGCAGTAACTAACATTATCCTG
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GAGGTGCCCTCGCCGCCGTACAACCTTTTGTCCAGCAGCTCGGGTGGATCCTGACGCCTATCCATGTTA
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ACCCCATGGATACCACTCACGGCCCCCTTCCCGATGATGAAGCCGCCTATCTCGACTTGTTCATGAGCA
GATTCGCCGCCACCCCTTCCGAGCCAGACAGTGTGGTGTGCTCATGCGCCGACAAAATCGGCCTCCGA
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GGTAGTGCATGTGGGCGACTCCTGCCCGTGTTCGTCATTCGCCCTGCCTGCGAGGATGTTCCAGCATTTG
TTGCTGCCATGCAGATCCAGGAGATTTCACTTTCACGCCCCACCTATGTTTTAGCTGCGCCCAGGGA
GATCAGGGTGCTCCATCACTCGCGGGGATTATGTCTCCTTCTTTGAAAAGAAGGCCAGCCGGAACGCT
CTGGAGCACTTTGGAAGGCGCGAGACCCTCACAGAGGTCTGGGCAGGTACGATGTGCGGCCAGATGCCG
GAGAAACGGTGAAGGCTTTGCTAGCGAACTTTGGGCAGAAATGTGGCATGTATAGAGGCCCACTTCCC
TGAACACGCCAGAGAATACCAAGCAGTTTCCGTACAGCGCGCAGTAATCAAGGACGATTGGGTTTTGCTC
CAGCTGATCCCCGGTCGAGGCGCCTTGAACCAGTCTCTGTCTGTCTCAGGTTTAAACATGGTCGAGCTA
GTAGAGCTACAGCCGAACATTTCTGGCCTTGTCCGTAGGCACAAATAACAGGCTGTGTGCATCCTTGTG
CCAGCAATGTTTTGCCACCAAGTGCGATAATAACAGATTGCACACGCTTTCACAGTGGACGCCGGCACC
CCTTGCTCTCGGTCCGCCCTCCTCTACCTCACGCCCTCCTTAGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100918 representing NP_044523
Red=Cloning sites Green=Tags

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MGTEDCDHEGRSVAAPVEVTALYATDGCVITSSLALLTNCLLGAEPYIFSYDAYRSDAPNGPTGAPTEQ
ERFEGRALYRDAGLNGDSFRVTFCLLGEVGVTHHPKGRTRPMFVCRFERADDVAVLQDALGRGTPLL
PAHVATLDLEATFALHANIIMALTVAIVHNPARIIGSGSTAPLYEPGESMRSVVGMSLQQRGLTTLFV
HHEARVLGAYRRYYGSAQSPFWFLSKFGPDEKSLVLAARYLLQAPRLGGAGATYDLQAVKIDICATYAI
PHDPRPDTLSAASLTSFAAITRFCTTSQYSRGAAAAGFPLYVERRIAADVRETGALEKFAIHDRSCLRVS
DREFITYIYLAHFECFSPRLATHLRVTTTHDPSPAASTEQPSPLGREAVEQFFRHVRAQLNIREYVKQN
VTPRETALAGDAAAAYLRARTYAPAALTPAPAYCGVADSSTKMMGRLEAERLLVPHGWPAFAPTPGDD
AGGGTAAPQTCGIVKRLKLAAATEQQGTPPAIAALMQDASVQTPLPVYRITMSPTGQAFAAAARDWAR
VTRDARPEATVVADAAAPEPGALGRRLTRRICARGPALPPGGLAVGGQMYVNRNEIFNAALAVTNIIL
DLDIALKEPVPFRLHEALGHFRRGALAAVQLLFPAAVDPDAYPCYFFKSACRPRAPPVCAGDGPASAGG
DDGDGDFPDAGGPGDEEWEEDTDPMDTTHGPLPDDEAAYLDLLEHQIPAAATPSEPDSVVCSCADKIGLR
VCLPVPAPYVHGSMTMRGVARVIQAVLLDRDFVEAVGSHVKNFLLIDTGVYAHGHSRLRPFYFAKIGPD
GSACGRLLPVFVIPPACEDVPAFVAHADPRRFHFHAPPMFSAAPREIRVLHSLGGDYVSFFEKKASRNA
LEHFGRRRETLTEVLGRYDVRPDAGETVEGFASELLGRIVACIEAHFPEHAREYQAVSVRAVIKDDWVLL
QLIPGRGALNQLSCLRFKHGRASRATARTFLALSVGTNNRLCASLQQCFATKCDNNRHLTLFTVDAGT
PCRSAPSSTRPSSS
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001798

ORF Size: 3198 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: [NC_001798.1](#), [NP_044523](#)

RefSeq ORF: 3198 bp

Locus ID: 1487341

MW: 114.7 kDa