

Product datasheet for **VC101401**

U52 (NC_001664) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U52 (NC_001664) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U52
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101401 represents NCBI reference of NP_042945 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCAGATTGGACAATACATCAAGCTTAACGATGCAGTTCCTAACCTGATCCTTCATATTACCACAA
AGCTGCTGCGGAATGAGAACCTTACCTCATTTAAACAAGAAGAACTTCTGCTCATCCAGCATGTTTGCAC
ATCTATGCTCAGTCACGGCATTAAAACTTGTCTGTTGCGGGAGTCCCTTTACAACCTGGGATTGGTGAC
ATCGTGATCTTGAATCGCAAAATCAAACAACACTACTGGTTTAGAATTTCTCCATTCTGAAGCAGCACT
CTGATGCTGAGCTGCTCCGGCACATGTTCAATGAATCCCACTCTGCCTACATTAGCAAGAAGCTGCACTA
CTCCGGTAACGTGTCCCACATGATTAATTTCTCTTCATGGACGAGTTCGGAGTCAATCTGAAGATTCCA
GAGGAGCTTATTTGCGAGGGAAACATTGTGTTCTCAGTTGGCGCTATCTACAATCATAGATTGTTGAAGA
TCTGCAGATTTTTCAATAGGTTCTGGGGGACCAGGAGCGGAGCCTACCGTTCGACTGATCTGTAAGCA
TCTGTGGTTTGCATACCTCATCATGTTTGGAAAATTCGAGATTAGCACACTGGCCTACTCTCAGCAGCGC
GCCGAGCATAAAGCTGGCTTGTCTCCTTTCTCCAAAACGACTTCAAGGTATTTGTGGAATGAGTGAGA
ATCCCAACTCCTGGATAGCTCCGCTATATTTGATCTCACCGGTATATCAGCCGAGGATCTGTTTAGCTA
TGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC101401 representing NP_042945
 Red=Cloning sites Green=Tags

MTQIGQYIKLNDVAVPNLILHITTKLLRNENLTSFKQEELLLIQHVCTSMLSHGKILLRESLYNSGIGD
 IVILNRKISNNYWFRIFSILKQHSDAELLRHMFNESHSAYISKKLHYSNGVSHMINFLFMDEFGVNLKIP
 EELICEGNIVFSVGAIYNHRLKICRFFNRFWDQEREPTVRLICKHLWFAYLIMFGKFEISTLAYSQQR
 AEHKAGLFSFLQNDFKVFCGMSENPQLLDSSAIFDLTGISAEDLFSYE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001664

ORF Size: 774 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_001664.2](#), [NP_042945](#)
RefSeq ORF: 774 bp
Locus ID: 1487932
MW: 30.0 kDa