

Product datasheet for **VC101674**

ORF42 (NC_009333) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF42 (NC_009333) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101674 represents NCBI reference of YP_001129394 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCCTTGAAAGGGCGCTCGCTAGACTGACCGGGTTCCAATGTCAACCCACGCTCCGAAGACCCGCG
AATCCGAGGAGGCCTGTCCTGTGTACCTCACCTGTCGTGCCCGATTGGTATTGGAGGTGCATAGGAA
GAATAATGCTTTGGTTGGATCCAATACACCAAAGATGAGTGTATGGGACACCTCGATATCGCTTGTCTC
CGCGAGCATGTAAAAGCCGATTGAGTAGCCAACTTTGTGGGGTTACAGTTGTGTCTGGTGGAAAC
ACGAGGACATGGTCACCCACATCGATTTGCACCCGCACGTGTTCCAGGAGAGAGTGTGTCTGCTGCGACC
TACCTCACCGGGCATCACTGAGCTCTGCTGCCTCCTGTCAATGCTGGAGAACTGCAGAGACATGTCTCCC
ACGTTCTCCGGTCAATCATTTGCCGCGCGCGCAAACTCACGAGCGGACCCAGGAATGGACGCCGCT
TCGTGATGCACGAATTGAACTCTGACAGCTACTGCTGCGTTCGTCTATGAGTTGAGTGTGGATGACCA
CTTCAGGGCCACCCCTCGTGATGTTCAAACCTCACAAAGCGATTGGAGATGCAAGCACCCCATGGGC
GGACTTATGAAGCAATATACTTGAGTCATTCAAGCTTGAATCCAGCGGAGAAAATGAGGACGATAAGC
AGACATGTGCAGACCCTGTTAATATCTTTACTGCGACACAATATCACTAAACACCTGGAGAACAACGA
AGTGCTTAAATACTTGAAGATGTGCACTCTGTTCAAGCCTCCTATCGTGAGCCTGTTGAGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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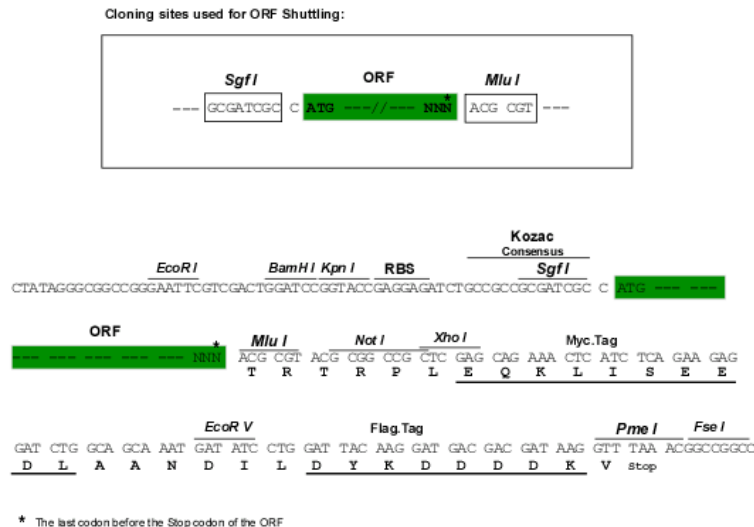
Protein Sequence: >VC101674 representing YP_001129394
 Red=Cloning sites Green=Tags

MSLERALARLTGVPMSTHAPKTRESEACPVYPHPVPRVLVLEVHRKNNALVGSNTPKMSVMGHLDIACL
 REHVKSRLSSPNFVGFTVVCLVEHEDMVTHIDLHPHFQERVCLLRPTSPGITELCCLLSMLENCRDMSP
 TFLRSIICRARKTHERTPGMDAAFVMHGIETLTATAAFVYELSVDDHFRATPLVMFKLHKAIGDASTPMG
 GLMKPIYLESFKLESSGENEDDKQTCADPVNIFYCDTIFTKHLENNEVLKYLKMCMTLFPKPIVSLFSK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_009333

ORF Size: 834 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_009333.1, YP_001129394
RefSeq ORF: 834 bp
Locus ID: 4961440
UniProt ID: Q2HR82
MW: 31.2 kDa