

Product datasheet for **VC102361**

ORF071L (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF071L (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF071L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC102361 represents NCBI reference of NP_612293 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACAGAGCACTCCGGGACATACAAACCGACCAATTTGTACCGCATTCTGGATGGAGCGGCATCGAC
TGGAAATTGCTCAGCGCTATCGTGGTTAGTCCATATGGTCCTACCCAGCTCCAGGACTGGTGTGTGGCTTT
CAATAACAACCGCACGCGAAGCCCTGGCCGATGTGACCGTTCCTGACTGGATGCTTCCGACTCAATGGTGGTC
CAGGCTGTGCGCATGGGAGCCACGTTGTGGACCTTTTTGACATGATTGACCGAAGACCCGCTGCGTTTTG
ACACATGTGTCCGCGAGGACAGTATCGATAGTCAACATTCGCCACAACCGTAGGTCGGGATGGATACTC
TGTGGTGCATCATCTCGCAAGACGCAACATGTTGGCGACTCTGGAAGCGCTCAAGCCATTCGACTGGTAC
TCTCTGAGTCCGGACGACCACCCCTCATCGACTGCGCATTGCTTGGGGAGGGAGGGCGCCTTCCACCG
TTGTGCCATTTTTATGAGCCGGGGCATGAGTATGAATGTTGTCGTACCCTCACTGGGAATCACATTGCT
GGAACAATCCGTCGAACCTGGCCTGGTGGAGGACTGGCGTACCTTGCCAGGACCCAGTATGTGGACCAC
ATGCCTGTCGACGTGTTTGTCTATATGGTGGCCCGGAAGAACATTCCTGAGGCTGTCTGGCCTGGGTAG
GGCGGTTTCGATATCCTGCATGATATGTATAAGGATACCCTTCTGATGCATCATATTGCAATCCACTGGCA
GCCCGTTTATAGTCAAGTCTTCGATGCAATTGACATTGACGTTCTGAATACAGCGACTGGCCCTAAAAGA
TTCTACCTGATCCACTGCGTAGGTAGGTCAGGGTATGGTCCCAGTGGCCGCTTTCAAAGGTATGTACCTATTC
AATATTGGAACATGGTCGACGCACATGGAACACCGCAGTTGCTACTCTGTTGAACCTCCCTTTGACCGA
CTATAATAAGAACATGTATAACATACAGAAGCTGACGAACATGGTGGATGCGATAGAGCATATCGCATA
CATGATTTTACATGCTTGAAGAACATGTTCCGGCACCTACCTTGTCACTATGCTTACAACCTATTCTCG
CGTTCATGGCCTTCAGAGTCAATACCCACGAGTTCAAATGCCACCCGTCGCCACGACGTTGAGAAATGA
TCAGCTCGTGCTTCTGCGCACTTTGAAACAACCGATACCCCGCTGCCCTCGAGATGGTCAAAGATTT
CACGCGGAATACACCGACTTGAAGACTATGCGCTGACCGTCAGGCATCACCATCGACGCTGGTATGGTG
TCTTCTTACAGTGTTCAGCTCTGCAAGACGCTCTGGTGGCGTGCCTGAATACACTGGGGCTATGGG
CATAGCGATGGACGCTGACTACATGAAGTTTGTGAACCCGCTCCTCGCAAGACATTGACGATACCCTC
GCTAAACAGGTGATGCGACAACATCGCATGCGAATTACACGGTTCGCGAGACGGAACCCACAATACACCG
ATAGACTGCGGCTCCGCCGGTCTGAGACTTTCACCATCCGGCCTGCCAGAGGATGTCCCATCTATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102361 representing NP_612293

Red=Cloning sites Green=Tags

MDRALRDIQTDQFVPHSWMERHRELLSAIVVSPYGPTQLQDWCVAFNTTAREALADVTVPLDASDSMVV
QAVRMGAHVVDLFDIDRRPAAFDTCVREDSIDSATFATTVGRDGYSVVHHLARRNMLATLEALKPFDWY
SLSPDDHTLIDCALLGEGGRPSTVVPFFMSRGMNMNVVPSLGITLLEQSVRTWPGEALAYLARTQYVDH
MPVDVFAHMYVARKNIPEAVLAWVGRFDILHDMYKDTLLMHIIAIIHWQPVYSQVFDIDAIDVLTATGPKR
FYLIHCVGQGMVPAAFKRYVPIQYWNMVDHAGNTAVATLLNLPLTDYNKNMNYIQKLTNMVDAIEHIAIY
HDFDMLLEHVSGTYLVTMLTTILAFMAFRVNTHAVQMPVVAHDVENDQLVL SAHFETDTPAALEMVKRF
HAEYTDLKDYL TVRHHHRRWYGVFLHDVQALQDALVRCLNTLGAMGIAMDADYMKFVNPVLAKTFDDTL
AKQVMRQHRMRI TRFARRNPQYTDRLRLRRVRLRLSPSGLPEDVPSI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_003494

ORF Size: 1608 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_003494.1](#), [NP_612293](#)
RefSeq ORF: 1608 bp

Locus ID: 935325

MW: 61.0 kDa