

Product datasheet for **VC102378**

ORF088R (NC_003494) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF088R (NC_003494) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF088R
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 VC102378 represents NCBI reference of NP_612310 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCAGTCTCGGGACCCGACAGTTCCTGCATATGTCCACAGCTGCGCTGTCCAGCGGAATTCCT
GGCCCTCTCTGTATACCCCTACGGCTATGTACAGGTGGGTGTACCGGGTCTGTACAGCTGCGGGTTGGC
CATCATGCAAAGGCGTTGTCTCGGTCTTATAACATCCCCGGAATGCCGGTACATCTAACTCACCCGCC
GTCGCAACCGCAGTGATGGCAGGAGGACTGACCACACTGGGGATGAGGTTGCGCTTCAACATGTGCAGCT
GTATTTGGCTCAGGCTTCTAAGAGTCTGTGTACCTCCGCCTCACTGCTGCCGACACAGTAAGACTTCG
AGCTCTGCATTCTCATTGAGCCTGACTACCGAAGCCTGCTGAGAAGTAGTATCTTTCATATCTGTGGG
TACAAGTACATTGGTCGCAATCCAAGATGGAAGTGGATATCTGCTGTGGAACATTCCCTTGGTCCGTGA
TCGGGCTTGCCATTGCTGGCGATAAGACAAGATCTGTCTTTGACGTGCGCCTGCGGGGACTGTTCTTTAC
AGCCGACGCTCAGGCTGAACACCTGCGGTACAGCGGTGGCTCACTGGATGAGAGGGTTGCTCACTGTCCG
GCGGTGCGCACTCGCGAGGATCAGCGAGCACTCGAGCACCATATCTACATGGTGGCAAGAGCCTATATGG
CTCAACACAGCGTCTCACTCGGGGTGCGCATCGCTTGTGGTCAATACCCACACATACTGGAGAGAGCCCT
TGCCCGGAGATTGAGATGTAGTCGCTTCGCCAGTGAGAGCGAAGCATTGTCACTTACGCCAGAGCGCTG
ACTCTGTTCTCCAGGACCCACTCGCTATGCCACTGGGCACCTCCCCTCACGTACACGCGAACAGGTCA
ATAATATTCTCGCCACGTGCCAGCCTCTCCAGGCGTGACCATGGTGCCAGATGAAGTTCGCCGCTGCC
TGAAGAAGTTGGCCGACACCTCTTTGTTACGCACATCAGGGATATCGCTGCCGCTAAAGTGCAGCGTAAC
GACCATGATCTGCTTCAGTCCATGCTTGAGTACGCCGAGTCACTGTAATCGCACCCCTGGATGCCG
CCGAGGGCATGAGACGGCTCATGGCTCCAGATAGGGCTGCCGAGACCGCTGATTGACTGAGGACCTGAG
GGTGTGACACTGCAGCAGAACTGCCTCTCGGTGTGCGCCGCGCATTATGCCTCTGCATCTTTCTGAT
CCCACACTGTATCTTAGCAGCGTGGATCAAATAAACCAAGCACAGGCGCGCTAATAAGGGCCGCGGT
CACTGAGCTGCGACGATACTCGATCCATTCTGTGTATAAAGGGACAGTGTGGCGGAACATCCTGGATGC
CGCCACGTATTGGGTGTGCTACCGCATGGACCCTCTTTGACGCCGATATGACTCCGTTCTGACTGGC
ACTGTTGAGCGCCAGGAAGTCTACAATAATATCTTTAATAGAATTTTGTGCGAAATTGCAGGCGCGGC
TCACCGCTGCCGCAACGGCCAAGTACCAGGCACCCTCAGAACAGGCGCTGCTGTACAGCCTTTCGATCG
AGTGCACAATCTACAATCGTGTGCCGGACCGCAACTATTGCTCGACAATTGATAATCAGAGCTTTT
ATGGCCGACGACACGCCCAACTGCCACCACCCCAATTAGTATCAACGATTGAGACCTTAGTACAACAA
CCCTGGTTAGAGCCTGGCTCCAGAACGTGTGCTCCACCCACCGGAAACACTATACTGCCATGGCCCTCC
CAGACCTCCTACCAGAGGGGAGGTTGCGGCCATGAGGCACTGCACTTGCCCAACGGATATGTTTGGAGTG
ATCCTCCGCTGTGGCAGCGGACCATCTCATCCAGACTCTGACCGCATTGAGAGTATCTCTGCGAAC
GGTACATCGACGCTAATCGCGTACACGGCAGATGCGGCAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102378 representing NP_612310
Red=Cloning sites Green=Tags

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MVQSCGTRQFLHMSTAALSSGNSWPSLYTPTAMYRWVYRVL SGCGLAIMQRRLSRSYNIPGMPGTSNSPA
VATAVMAGGLTTLGMRLRFNMCSCIWLRPKSLCTSASLLPDTVRLRALHSSLSLTTGSLLRSSIFHICG
YKYIGRQSKMEVDICCGTFPWSVIGLAIAGDKTRSVFDVALRGLFFTADAQAEHLRYSGGSLDERVAHCR
AVRTREDQRALEHHIYMVARAYMAQHSVSLGVRIACGQYPHILERALARLRCSRFASESEALSFYARAL
TLFSQDPLAMPLGTSPhVTREQVNNILAHVPASPGVTMPDEVRRCPPEVGRHLFVTHIRDIAAAKVRAN
DHDLLQSMLEYAAGQCNRTPLDAAEAMRRLMAPDRAAETA VL TEDLRVMTLQQKPLGVAAFPMPHLHSD
PTLYLSSVDQINQAQAAAANKGRRSLSCDDTLDPFVYKGTVWRNILDAAATYWCYRMDPLLTPDMYSVLTG
TVQRQEVYNNIFNRTFDAKLQARLTAAATAKYQAPSEQALLYSLFDRVHNLTIVCRTGNSLLDNLIIRAF
MAAAHAPTATTPISINDSDLSTTTLVRAWLQNVCSHRKHHTAMAPPRPPTRGEVAAMRHCTCPTDMFGV
ILRLWQRTISSTTLTFAEYLCERYIDANRVTRQMRQ
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TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_003494

ORF Size: 2001 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_612310](#)

RefSeq ORF: 2001 bp

Locus ID: 935340

MW: 74.2 kDa