

Product datasheet for VC102290

P5 (NC_006498) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: P5 (NC_006498) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: P5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC102290 represents NCBI reference of YP_145799 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACCTGCTGCTGCTGCTGCAGGTGGCCAGCTTCTGAGCGACTCCAAGGTGCCCGGGGAGGACGGCA
 CCAGCAGCACCAGCGGCATGCTGGACCTGCTGCGGGACCAGGTGGACAGCCTGAGCATCAACGACAGCAC
 CACCGAGCCAAAACCCGGCTGGACCCCGGCCTGTACCCCTGGCTGAAGTGGACCGAGACCGCCTACCGG
 TCCAGCACCCGGAGCCTGGCCAGCACCATCGTGATGGGCGCCCTGGTGCAGCAGCGGGGAGCGGCAACG
 GCATCACCATGCGGGAAGTGGAGCTCAGCCTCGGGCTCGACTTACCTCCGAATGCGACTGGCTGAAGAC
 CTGCTACGTGAACAAGAACTTCGTGTTCTCTCCGAGAAGGAGATCGCCGCAACATGGAGGTGCAAAAAG
 TTCATTTGCAATGAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102290 representing YP_145799
 Red=Cloning sites Green=Tags

MNLLLLLQVASFLSDSKVPGEDGTSSTSGMLDLLRDQVDSLINDSTTEPKTRLDPGLYPWLKWTETAYR
 SSTRSLASTIVMGALVQQRGSGNGITMRELELSLGLDFTSECDWLKTCYVNKNFVFLSEKEIAVNMEVEK
 FICNEN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NC_006498

ORF Size: 438 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_006498.1](#), [YP_145799](#)

RefSeq ORF: 438 bp

Locus ID: 5075849

MW: 16.3 kDa