

## Product datasheet for **VC102061**

### matrix poetin (NC\_001796) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	matrix poetin (NC_001796) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	matrix poetin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102061 represents NCBI reference of NP_067150 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCATTACTAACTCCGCAATTTATACTTTCCAGAGAGCTCCTTCTTTGAGAACGGCCATATCGAGC  
CCTTGCCACTTAAGGTCAACGAGCAACGCAAGGCTGTCCCTCATATCAGGGTTGCCAAAATCGGCAATCC  
CCCCAAGCATGGAAGCCGCTACCTGGACGTGTTTCTCTGGGATCTTCGAAATGGAAAGAATCAAGGAC  
AAGTATGGCTCCGTTAACGACCTGGACTCAGACCCAAGTACAAAGTGTGCGGATCCGGTCTCTTCCTA  
TCGGTCTTGCTAAGTATACCGGCAACGATCAGGAACTCCTGCAGGCCGCGACTAAACTGGACATCGAGGT  
GAGGCGGACCGTCAAGGCCAAAGAAATGGTGGTCTATACCGTGCAAAATATAAAGCCAGAGCTCTACCCC  
TGGTCCAATCGGTTGAGGAAAGGCATGCTCTTTGATGCCAACAAGTCCGCTCGCCCCCAATGTCTCC  
CTCTCGACAGGTCTATCAAATTTAGAGTTATATTCGTTAACTGCACTGCTATCGGCTCAATCACCCCTCTT  
TAAGATCCCAAGTCCATGGCTTCCCTTCCCTTCCCAACACCATCAGCATCAACCTCCAGGTTTCATATT  
AAGACCGCGTGCAGACCGATTCAAAGGGGATAGTTTCAAGTCTTGAACGAGAAAGGAGAAAAGAGCCTCA  
ACTTTATGATTCATCTGGGGCTGATTAAGCGCAAAATCGGCCGCATGACTCAGTAGAGTATTGTAAGCA  
GAAGATAGAGAAGATGAGACTTATCTTCAGCCTCGGATTGGTTGGCGGCATTAGTTTGCATGTGAATGCT  
ACTGGCTCTATTAGTAAACCCTCGCATACAATTGGTGTTTAAGAGAGAGATCTGCTATCCATTGATGG  
ATCTGAATCCTCACCTGAACCTGTTATCTGGGCCAGTTCTGTGGAGATAACCAGGTTGGACGCAATTTT  
TCAGCCAAGTCTCCCTGGGGAATTCGCTATTATCCGAACATTATCGCCAAGGAGTGGGTAAGATTA  
CAATGGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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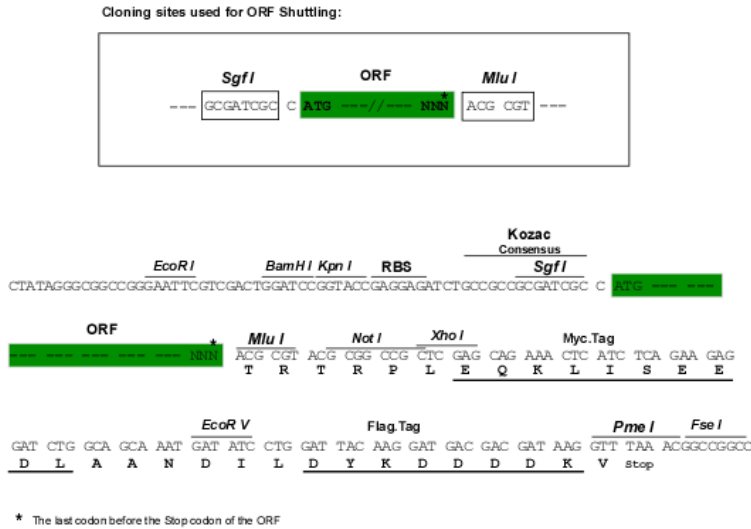
**Protein Sequence:** >VC102061 representing NP\_067150  
 Red=Cloning sites Green=Tags

MSITNSAIYTFPESSFFENGHIEPLPLKVNEQRKAVPHIRVAKIGNPPKHGSRYLDFLLGFFEMERIKD  
 KYGSVNDLSDPSYKVCGSGSLPIGLAKYTGNDQELLQAATKLDIEVRRTVKAKEMVVYTVQNIKPELYP  
 WSNRLRKGMLFDANKVALAPQCLPLDRSIKFRVIFVNCTAIGSITLTKIPKSMASLSLNPNTISINLQVHI  
 KTGVTDSKGIQILNEKGEKSLNFMHILGLIKRKIGRMYSVVEYCKQKIEKMRLIFSLGLVGGISLHVNA  
 TGSISKTLASQLVFKREICYPLMDLNPHLNLVIWASSVEITRVD AIFQPSLPGEFRYPNI IAKGVGKIK  
 QWN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001796

**ORF Size:** 1059 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\\_001796.2](#), [NP\\_067150](#)

**RefSeq ORF:** 1059 bp

**Locus ID:** 911954

**MW:** 39.7 kDa