

Product datasheet for **VC100539**

NSMP-1, non-structural mature protein 1 (NC_001943) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSMP-1, non-structural mature protein 1 (NC_001943) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NSMP-1, non-structural mature protein 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100539 represents NCBI reference of NP_751902 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGATGGCCTACGGGAACCATCTATTTCATCAAACAGATAAAGATTTCAATTCGGCAGTACCATGG
CAAGGCGGCAATGACCCCAACGATGGTCACCAAACCTCCCAAATTCGTCCGAACTCACCACAGGCATA
CGACTGGATTGTGAGGGGCTCATCTTTCCACTATTGGAAAGACATACTCCAGCGGGTGGTCGTCATT
ACCGGCGGCTGGAAGATGGAACCTACGGGCTCTCGCCTTTGATGGCAAGGAGTGGGTTGGAATTTACC
CAATTGAACACCTCAACTTGATGTCTTCTCTGAAGCTGATCCACAAGGCGAACGCCCTCCAGGAGCGCTT
GCGGCTGTCTCAAGAAGAGAAGGCGACCTTGGCCCTCGACGTTTCAGTTTCTCCAGCATGAGAATGTTTCG
CTGAAAGAGATGATCCCAAAGCCTGAACCCAGAAAAATACAGATGAAATGGATTATTATGGGAGCAGTTC
TGACTTCTCTCATTGATTCCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC100539 representing NP_751902 Red=Cloning sites Green=Tags
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MMAYGEPYYSSKPKDFNFGSTMARRQMTPTMVKLPKFVRNSPQAYDWIVRGLIFPTIGKTYFQRVVVI
TGGLEDGTYSFAFDGKEWVGIIPIEHLNLMSSLKLIHKANALQERLRLSQEEKATLALDVQFLQHENV
LKEMIPKPEPRKIQMKWIIMGAVLTFSLIP

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NC 001943

ORF Size: 513 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_001943.1](#), [NP_751902](#)

RefSeq ORF: 513 bp

MW: 19.7 kDa