Plasmid Data Sheet

*** Plasmid Name and Size: pcDNA3.1/ZEO(+)-lnc-NDRG1-1-4-1; 5561 bp**

*** developed at the BioMed Resource Core of the 1st Core Facility Lab, NTU-CM**

*** General information of lnc-NDRG1-1-4:**

NONCODE TRANSCRIPT ID	NONHSAT129220.2	**Strand**	**-**
NONCODE Gene ID	NONHSAG051331.2	**Exon Number**	**2**
Chromosome	**chr8**	**CNCI Score**	**-0.032768**
Start Site	**133237170**	**Length**	**508**
End Site	**133244503**	**Assembly**	**hg38**

*** Primers:**

BMRC-2575	ACCGAGCTCGGGATCCATGtacccttatgatgtgcc agattatgccGGACAAGGCAGGGCAGGGCA	pcDNA3.1(+)-NDRG1-OT1_v4 (BamHI) HA tag
BMRC-2492	tctgcagaatgaattcCCGC	pcDNA3.1(+)-NDRG1-OT1_v4 (EcoRI)
BMRC-2494	CTTGTCATCGTCGTCCTTGTAGTCATTCA CTCTGACCAAACTTC	pcDNA3.1(+)-NDRG1-OT1_v4-1
BMRC-2577	GACGACGATGACAAGTGAATATTGTAA GTCAGCCAC	pcDNA3.1(+)-NDRG1-OT1_v4-1

*** ☐ TA cloning vector or ☑ Mammalian; ☐Yeast; ☐ *E.* coli; expression vector**

*** plasmid amplify in *E.* coli is ☐high; or ☑ low copy number**

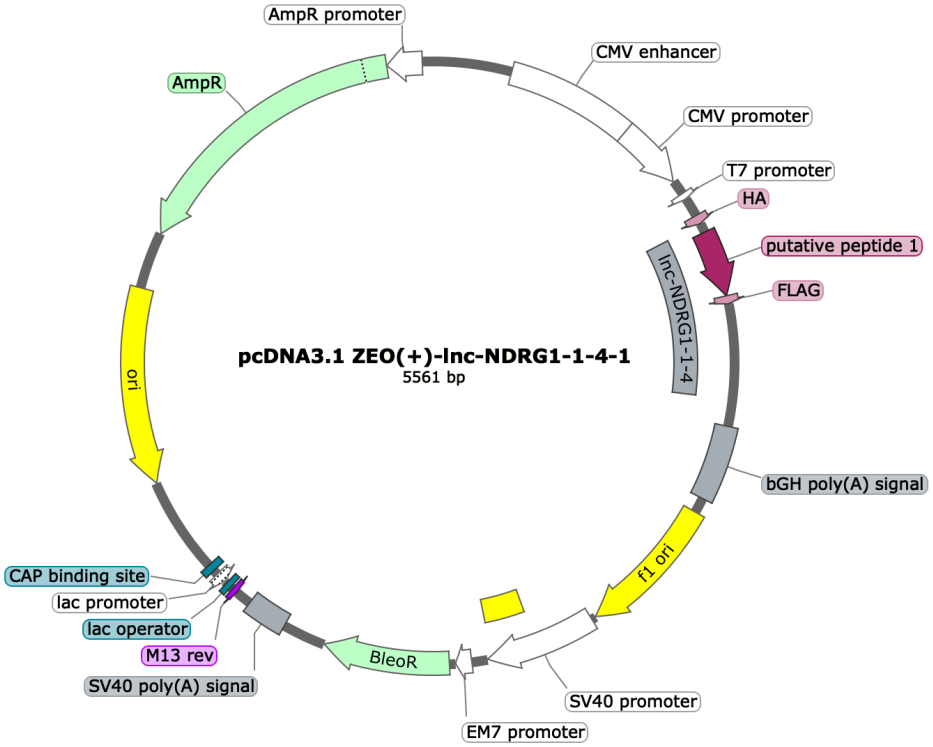
*** expression level is ☐ low or ☑ high**

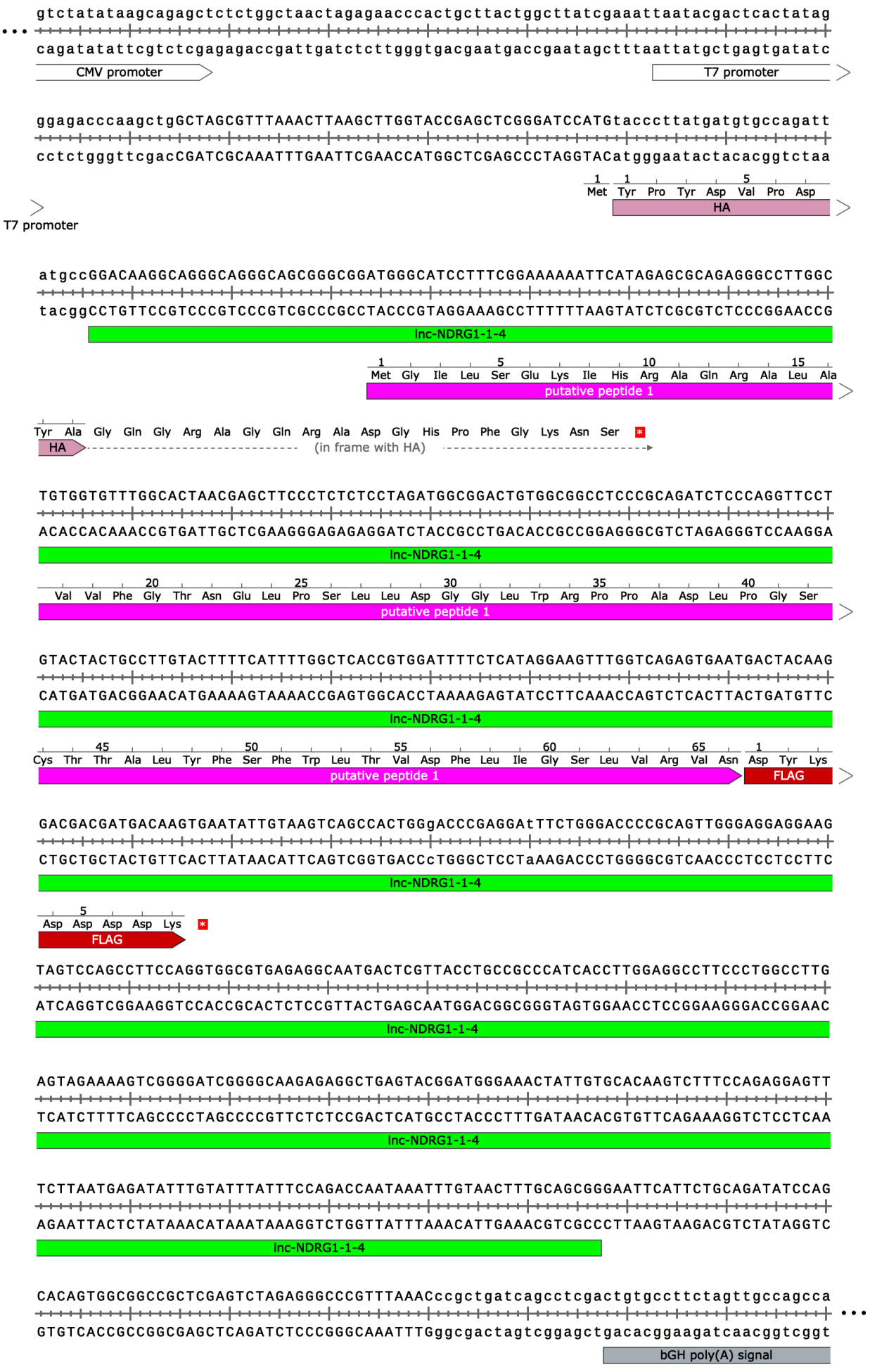
*** expression promoter: CMV IE promoter**

*** antibiotic selection: AmpR; BleoR**

BleoR confers resistance to bleomycin, phleomycin, and Zeocin™

*** epitope or tag:** HA, FLAG

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CMV promoter
T7 promoter
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1 1 5
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T7 promoter
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lnc-NDRG1-1-4
1 5 10 15
Met Gly Ile Leu Ser Glu Lys Ile His Arg Ala Gln Arg Ala Leu Ala
putative peptide 1
Tyr Ala Gly Gln Gly Arg Ala Gly Gln Arg Ala Asp Gly His Pro Phe Gly Lys Asn Ser *
HA
(in frame with HA)
TGTGGTGTTTGGCACTAACGAGCTTCCCTCTCTCCTAGATGGCGGACTGTGGCGGCCTCCCGCAGATCTCCCAGGTTCCT
ACACCACAAACCGTGATTGCTCGAAGGGAGAGAGGATCTACCGCCTGACACCGCCGGAGGGCGTCTAGAGGGTCCAAGGA
lnc-NDRG1-1-4
20 25 30 35 40
Val Val Phe Gly Thr Asn Glu Leu Pro Ser Leu Leu Asp Gly Gly Leu Trp Arg Pro Pro Ala Asp Leu Pro Gly Ser
putative peptide 1
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CATGATGACGGAACATGAAAAGTAAAACCGAGTGGCACCTAAAAGAGTATCCTTCAAACCAGTCTCACTTACTGATGTTC
lnc-NDRG1-1-4
45 50 55 60 65 1
Cys Thr Thr Ala Leu Tyr Phe Ser Phe Trp Leu Thr Val Asp Phe Leu Ile Gly Ser Leu Val Arg Val Asn Asp Tyr Lys
putative peptide 1
FLAG
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lnc-NDRG1-1-4
5
Asp Asp Asp Asp Lys *
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bGH poly(A) signal

DNA Sequence of pcDNA3.1/ZEO(+)-lnc-NDRG1-1-4-1

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