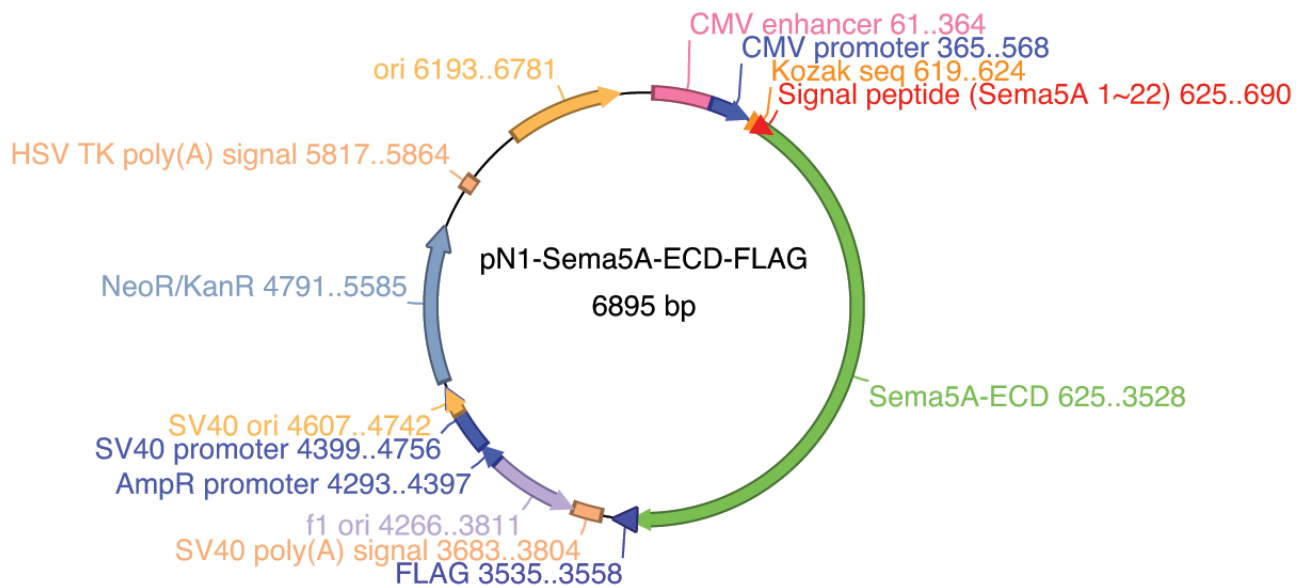


Plasmid Data Sheet

- * **Plasmid Name and Size:** [pN1-Sema5A-ECD-FLAG; 6895 bp](#)
- * **developed at the BioMed Resource Core of the 1st Core Facility Lab, NTU-CM**
- * **Sema5A-ECD:** Homo sapiens semaphorin 5A-extracellular domain
- * **NCBI Reference Sequence:** NM_003966.2
- * The pN1 vector is modified from pEGFP-N1
- * **Primers:**

BMRC-1843	ggactcagatctcgaggccaccATGAAGGGAACCTGTGTTATAGC ATGGCTGTTCTCAAG	pN1-6xHis-Sema5A-FLAG (XhoI)
BMRC-2439	ATAGCATGGCTGTICTCAAGCCTGGGGCTGTGGAGA CTCGCCACCCAGAGGCCAGGGTACGACTCAGTGC	Sema5A-ECD
BMRC-2360	tctagagtcgcgccgcTACTTATCGTTCGTCATCCTTGTAATCt ctagaCATGTTGAACTCTCCACACC	pN1-Sema5A-FLAG (NotI)

- * 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 immediate early promoter
- * antibiotic selection: Kan and Neo
- * epitope or tag: FLAG



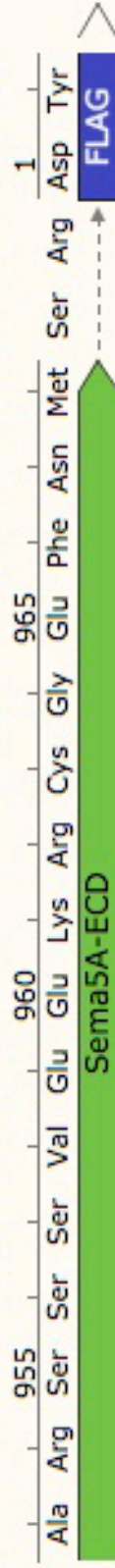
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CMV promoter

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 ggcctgagctagagctccggtgTACTTCCCTTGGACACAATATCGTACCACCAAGAGT



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DNA Sequence of pN1-Sema5A-ECD-FLAG

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