



pSmart IV

1. Product Description

The NusA protein in Escherichia coli functions as an anti-termination factor for transcription, with a size of approximately 55 kDa. It exhibits excellent water solubility and, as an endogenous protein of E. coli, achieves extremely high expression levels. Researchers have utilized the NusA fusion expression system to test the expression of human proteins such as γ -IFN and IL-3 in E. coli, successfully obtaining soluble products. Similarly, we have achieved soluble expression of RNase inhibitors using NusA. Furthermore, NusA may also contribute to stabilizing transcription. The pSmart IV vector is a modification of the pET-28a vector, primarily achieved by cloning the NusA tag protein into the pET-28a vector. This modification preserves the overall structure and the multiple cloning sites of the original vector.

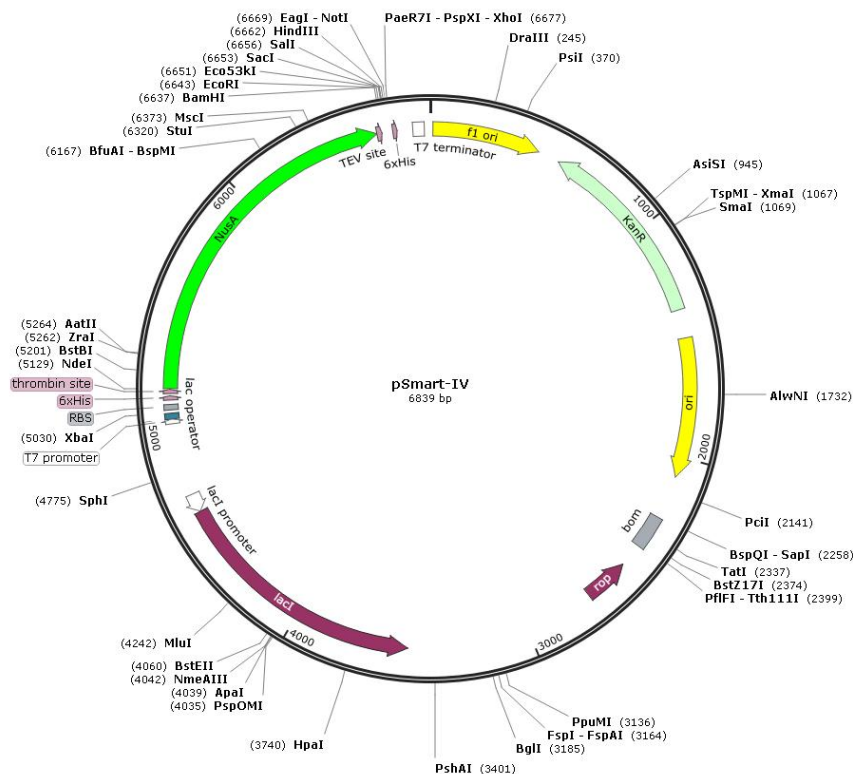


Fig.1. Schematic diagram

2. Multiple Cloning Site (MCS)

N-terminal-his6

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6. Related Products

Product	Cat. No.	Size
pSmart IV	SLP026	100 ng/μl, 10 μl

