

## **Expression & purification of 6his-SmPRMT3(1-553)**

### **Construct**

MGSSHHHHHHSSGTGSGENLYFQGHMSPCDQSSNYDLDMEPNDSSYFGSYGHFEIHGEMINDRVRTESYVNFILSN  
AEKYFKHKIILDVGS GSGILSIIAAQAGASHVYGVEAADEIYAASHETLRVNNLLERVTFIHGQAESVELPVKKVDVIISE  
WMGYFLFFESMLDSVLKMASKYLSRDGHIFPRHYTLNLLGVQCSEQLRKRRLEHWNNVYGYNMPALRRAALSEAHV  
LNLTNEHVTPPISPITILTQSFELVALDLDDMHRNRINYLSNHCSLLCEQKFHLTIQPTTDINNNSSSSSSYELDAIVGYFD  
VRFDDADCKVEFSTSPPTPLTHWKQTLFLDKPIRVKPGDKISGIITIRRATTDNRGLEINLLIGETENSLEIKQTFDLIG

Length = 396 AA

Molecular weight = 44782.3 Da

pI 5.66

$\xi(\text{red})$  40340 L.M<sup>-1</sup>

### **Expression**

Grow p<sub>nEAvH\_SmPRMT3-184</sub> BL21(DE3) transformants on an LB-Amp plate (1 plate/L culture), overnight 37°C. Resuspend cells in LB medium (5 mL/plate) and inoculate liquid **2X** LB medium + 100 µg/mL<sup>-1</sup> Ampicilline. Grow culture(s) at 37°C, 200 rpm and measure OD<sub>600</sub> every 20 minutes. When OD<sub>600</sub> reaches 0.4, set temperature to 20°C. When OD<sub>600</sub> reaches 0.6 to 0.8, induce 6his-SmPRMT3(184-553) with 1 mM IPTG.

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Last update: **2023/11/01 20:17**

