

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

Construct

MGSSHHHHHHSSGTGSGENLYFQGHMSPCDQSSNYDLDMEPNDSSYFGSYGHFEIHGEMINDRVRTESYVNFILSN
AEKYFKHKIILDVGS GSGILSIIAAQAGASHVYGVEAADEIYAASHETLRVNNLLERVTFIHGQAESVELPVKKVDVIISE
WMGYFLFFESMLDSVLKMASKYLSRDGHIFPRHYTLNLLGVQCSEQLRKRRLEHWNNVYGYNMPALRRAALSEAHV
LNLTNEHVTPPISPITILTQSFELVALDLDDMHRNRRIYNLSNHCSLLCEQKFHLTIQPTTDINNNSSSSSSYELDAIVGYFD
VRFDDADCKVEFSTSPPTPLTHWKQTLFLDKPIRVKPGDKISGIITIRRATTDNRGLEINLLIGETENSLEIKQTFDLIG

Length = 396 AA

Molecular weight = 44782.3 Da

pI 5.66

$\xi(\text{red})$ 40340 L.M⁻¹

Expression

Grow pNEAvH_SmPRMT3-184 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⁻¹ Ampicilline. Grow culture(s) at 37°C, 200 rpm and measure OD600 every 20 minutes. When OD600 reaches 0.4, set temperature to 20°C. When OD600 reaches 0.6 to 0.8, induce 6his-SmPRMT3(184-553) with 1 mM IPTG and leave the cultures to express the protein overnight.

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