

ASAP (Expression Only): A71EV2A_c012k005e066 (Mature), and c058k030e067 (Precursor, Xtals)

PAGE24-00929

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Experiment Started:

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Expression timeline

23/5/23

09:36 Inoculate 1 L bags with 10ml/L starter culture at OD600 as follows:

C012 $1.16 \times 10^{11.6}$

C058 $1.21 \times 10^{12.1}$

Incubate 37c, air 1 lpm

13:30 drop temp to ambient

14:00 (+4.5h) Induced with 300uL/L IPTG @ 1M=0.3mM

OD600 at induction as follows:

C012 $0.31 \times 10^{3.1}$

C058 $0.25 \times 10^{2.5}$

16:30

OD600 as follows:

C012 $0.81 \times 10^{8.1}$

C058 $0.64 \times 10^{6.4}$

17:20:

C012 harvested, C058 to continue overnight

OD600 as follows:

C012 $0.94 \times 10^{9.4}$

C058 $0.76 \times 10^{7.6}$

24/5/23

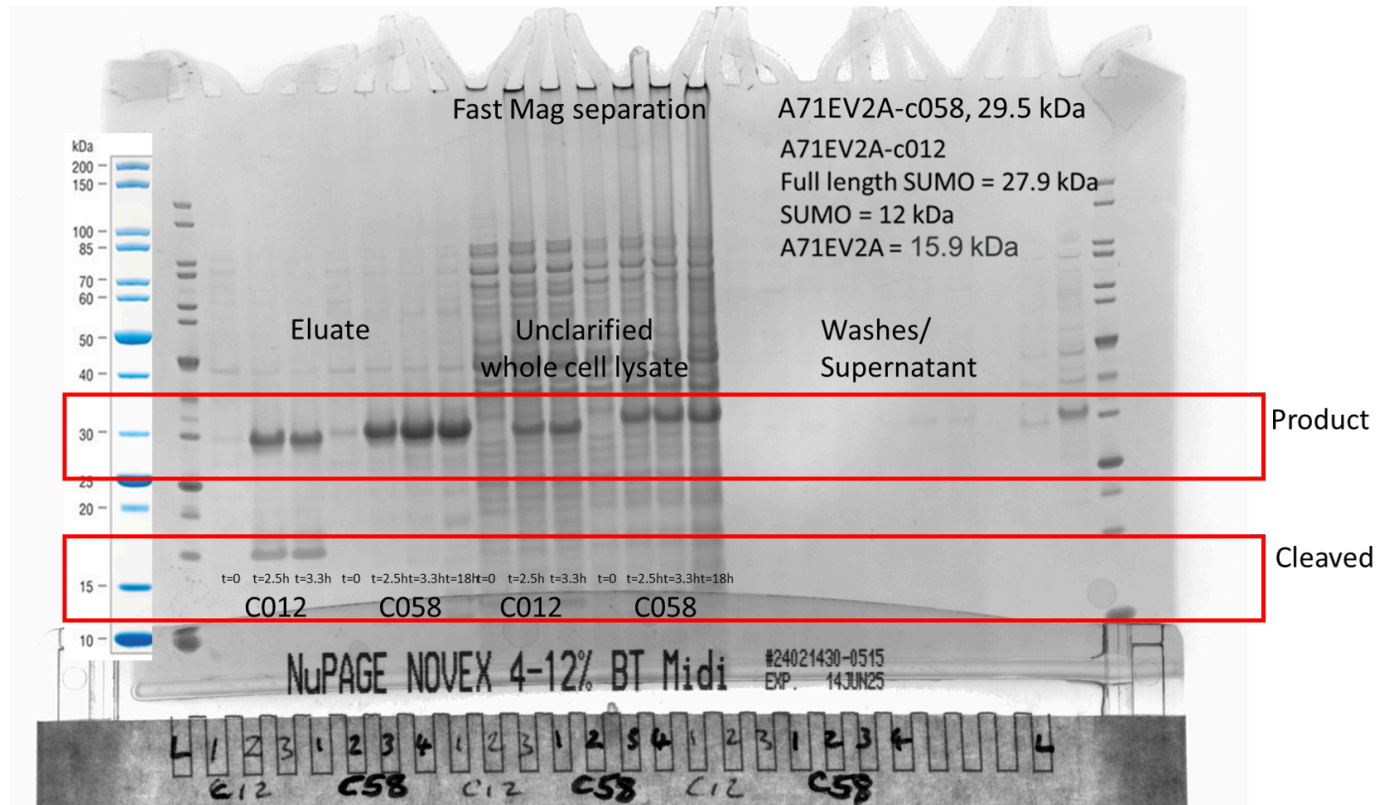
08:00

C058 harvested

OD600 as follows:

C058 0.90x20=18

A71EV2A_C012andC058



Summary

Some protein present in insoluble fraction and washes.

Over Expression good esp for C058.

Some auto-protyolysis on c012.

N.B: only enough mag beads for 50% of recommended quantity.

C012 will be entered into scarab as e066, and C058 as e067. These pellets will be giving to Biotech with previous ones, for work-up.