

Aurora B (1 - 344)

Catalog Number (DU Number):
DU1773

Accession:
NM_004217

Expression
baculovirus

Terminus and Tag:
N-Term 6His Uncleaved

Purification Method:
Ni²⁺-NTA agarose

Enzymatic Assay Format:
Standard filter binding assay

Assay Buffer:
50 mM Tris-HCl pH 7.5, 0.1 % 2 mercaptoethanol, 0.1 mM EGTA, 0.1 mM sodium vanadate, 10 mM magnesium acetate

Assay Substrate:
LRRLSLGLRRLSLGLRRLSLGLRRLSLG; Final concentration: 300 μ M

Calculated Molecular Mass:
Mono-Isotopic Mass: 40,208.97
Average Mass: 40,234.49

Notes:
Following expression the culture is incubated with 50 nM okadaic acid for 1 hour prior to purification

Purity:
>80 %

Storage Buffer:
50 mM Tris-HCl pH 8, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.2 mM PMSF, 1 mM Benzamidine.

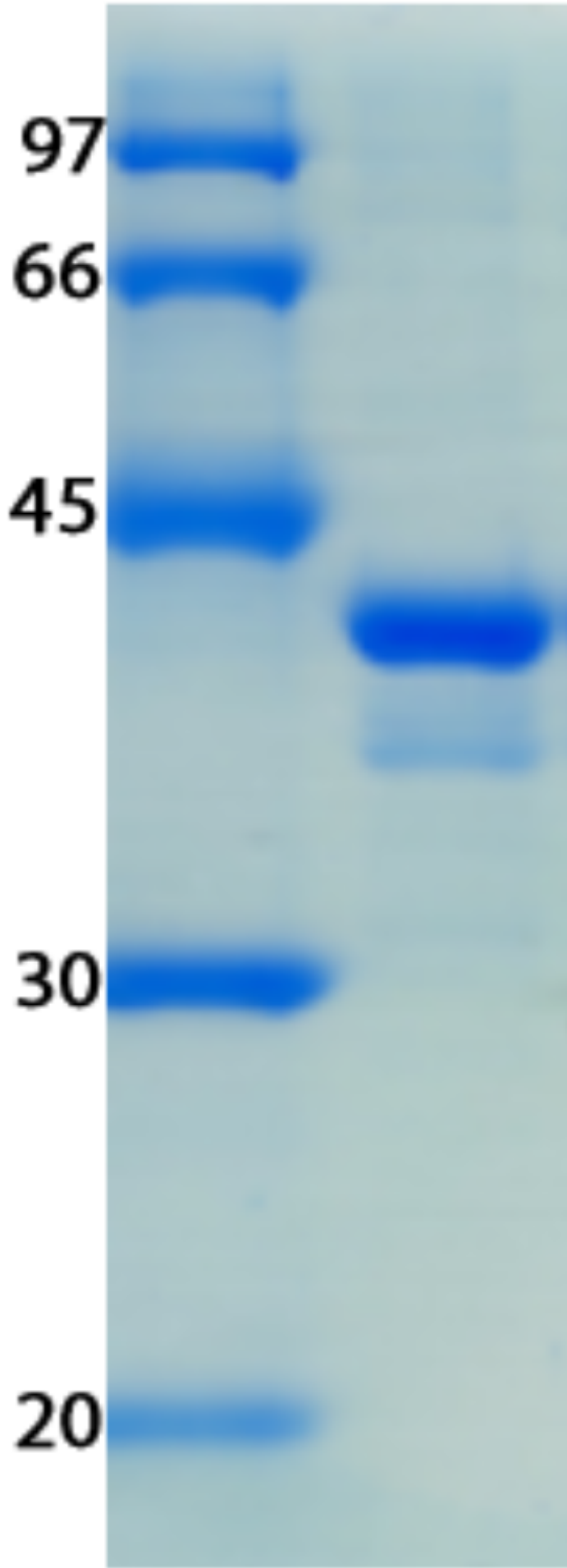
Storage Temperature:
-70 °C [Long term stability to be determined]

Theoretical PI:
9.36

Gel Information :

Gel Image 1:





Native Sequence:

Amino acids M1 – A344 (end) of human Aurora B. Residue M8 of the fusion protein is equivalent to M1 of the native enzyme. The His(6) tag is located at residues 2 – 7.

Protease Cleavage:

None

Cloning Sites:

Nde1 and Xho1 sites of modified pFastBAC 1

Price per aliquot (100µg):

£110.00

