Aurora C (2 - 309)

Catalog Number (DU Number):
DU4009

Accession:
ABO17332

Expression
baculovirus

Terminus and Tag:
N-Term 6His Uncleaved

Purification Method:
Ni2+-NTA agarose

Enzymatic Assay Format:
Standard filter binding assay

Enzymatic 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

Enzymatic Substrate:
LRRLSLGLRRLSLGLRRLSLGLRRLSLG; Final concentration: 300 ?M

Calculated Molecular Mass:
Mono-Isotopic Mass: 38,791.10
Average Mass: 38,815.66

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:
8.46

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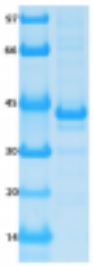
Gel Information :

Gel Image 1:



Native Sequence:
Amino acids S2 – S309 (end) of human Aurora C. Residue S29 of the fusion protein is equivalent to S2 of the native enzyme. The His(6) tag is located at residues 5 – 10. The following amino acid substitution is present: L – P, where L301 of the native enzyme is P328 of the fusion protein

Protease Cleavage:
rTEV (ENLYFQG) residues 18 - 24

Cloning Sites:
BamH1 and Sal1 sites of pFastBAC HTb

Price per aliquot (100µg):
£100.00

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