



## Aurora A (2 - 403)

Catalog Number (DU Number):

**DU4174**

Accession:

**BC027464**

Expression

**bacteria**

Terminus and Tag:

**N-Term 6His Uncleaved**

Purification Method:

**Ni<sup>2+</sup>-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, 10 mM MgAc**

Enzymatic Substrate:

**LRRLSLGLRRLSLGLRRLSLGLRRLSLG; Final concentration: 300  $\mu$ M**

Calculated Molecular Mass:

**Mono-Isotopic Mass: 49,191.32**

**Average Mass: 49,222.02**

Protein Activity:

**Has been Activated in Vitro**

Purity:

**>80 %**

Storage Buffer:

**50 mM Tris-HCl pH 7.5, 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:

**9.51**

Gel Information :

## Gel Image 1:



Native Sequence:

**Amino acids D2 – S403 (end) of human Aurora A. Residue D35 of the fusion protein is equivalent to D2 of the native enzyme. The His(6) tag is located at residues 5 – 10.**

Protease Cleavage:

**Thrombin (LVPRGS) at residues 14 - 19**

Cloning Sites:

**BamH1 and Sal1 sites of pET28a(+)**

Price per aliquot (100µg):

**£100.00**