



## CHK1 (1 - 476)

Catalog Number (DU Number):

**DU578**

Accession:

**AF016582**

Expression

**baculovirus**

Terminus and Tag:

**N-Term GST Uncleaved**

Purification Method:

**GSH Sepharose**

Enzymatic Assay Format:

**Standard filter binding assay**

Enzymatic Buffer:

**50 mM Tris-HCl pH 7.5, 0.1 % 2 mercaptoethanol, 0.1 mM EGTA, 0.02 % Brij-35, 10 mM magnesium acetate**

Enzymatic Substrate:

**CHKtide [KKKVSRSGLYRSPSPENLNRPR]; Final concentration: 30 ?M**

Calculated Molecular Mass:

**Mono-Isotopic Mass: 81,564.69**

**Average Mass: 81,617.2**

Protein Activity:

**Constitutively Active**

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, 0.02 % Brij-35**

Storage Temperature:

**-70 °C**

Theoretical pI:

**6.97**

Gel Information :

**Gel Image 1:**



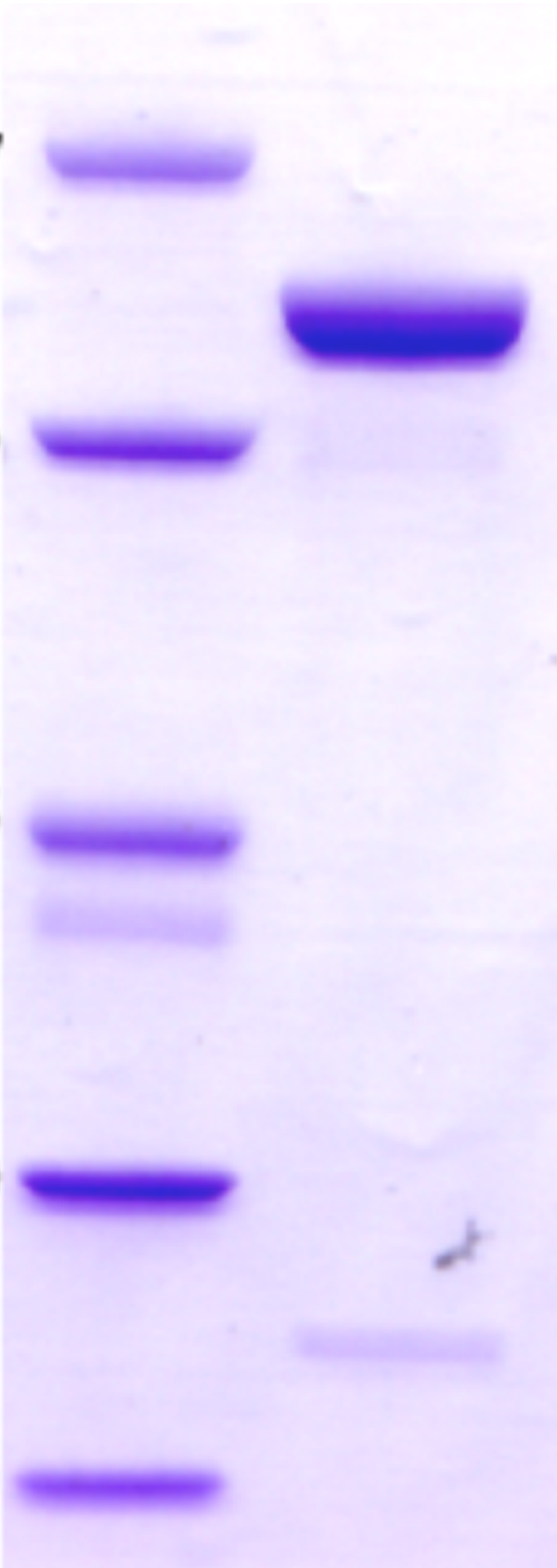
97

66

45

30

20



Native Sequence:

**Amino acids M1 – T476 (end) of human CHK1. Residue M235 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located between residues 1 - 220 of the fusion protein.**

Protease Cleavage:

**PreScission site (LEVLFGGPL) residues 221-229**

Cloning Sites:

**EcoR1 and Not1 of pFastBac GST**

Price per aliquot (100µg):

**£110.00**

