



CHK2 (5 - 543)

Catalog Number (DU Number):

DU1663

Accession:

NM_007194

Expression

bacteria

Terminus and Tag:

N-Term GST Uncleaved

C-Term 6His Uncleaved

Purification Method:

GSH Sepharose followed by 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, 10 mM MgAc

Enzymatic Substrate:

CHKtide [KKKVSRSGLYRSPSPENLNRPR]; Final concentration: 250 ?M

Calculated Molecular Mass:

Mono-Isotopic Mass: 89,430.11

Average Mass: 89,486.98

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, 0.2 mM PMSF, 1 mM Benzamidine.

Storage Temperature:

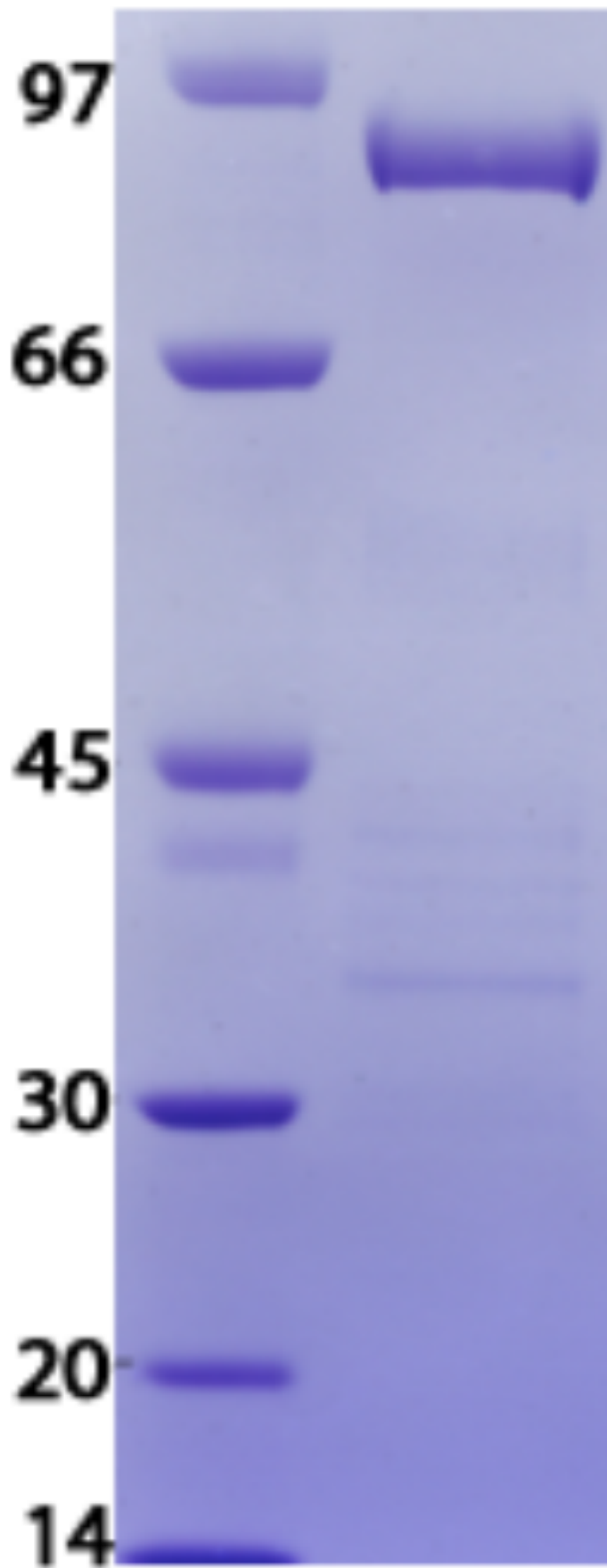
-70 °C

Theoretical pI:

6.28

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids S5 – L543 (end) of human CHK2. Residue S244 of the fusion protein is equivalent to S5 of the native enzyme. The GST tag is located at residues 1 - 220 and the C-terminal His(6) tag at residues 783 - 788.

Protease Cleavage:

Thrombin (LVPRGS) at residues 221 - 226.

Cloning Sites:

Nde1 and EcoR1 sites of modified pGEX-2TK

Price per aliquot (100µg):

£110.00