



MARK1 (2 - 795) *

Catalog Number (DU Number):
DU1272

Accession:
AF154845

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, 0.1mM EGTA, 0.1 % 2-mercaptoethanol, 10 mM MgAc

Enzymatic Substrate:
AMARA peptide [AMARAASAAALARRR] Final concentration: 300 ?M

Calculated Molecular Mass:
Mono-Isotopic Mass: 92, 529.72 daltons
Average Mass: 92, 587.41 daltons

Protein Activity:
Constitutively Active

Purity:
75 %

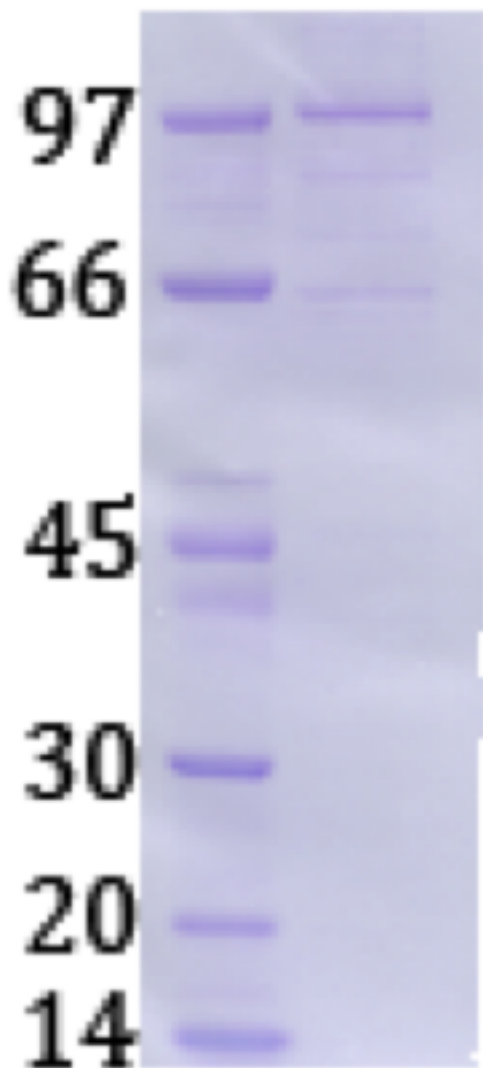
Storage Buffer:
50 mM Tris-HCl pH 7.5, 270 mM sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 0.2 mM PMSF, 1 mM Benzamidine.

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

Theoretical pI:
9.24

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids S2 – L795 (end) of human MARK1. Residue S31 of fusion protein is equivalent to S2 of the native enzyme. The His(6) tag is located at residues 5 – 10. The following amino acid substitutions are present: V – E, where V16 of the native enzyme is E45 of the fusion protein T – S, where T20 of the native enzyme is S49 of the fusion protein

Protease Cleavage:

rTEV (ENLYFQG) residues 18 - 24

Cloning Sites:

EcoR1 site of pFastBAC HTa

Price per aliquot (100µg):

£110.00