



MAPKAP-K2 (46 - 400)

Catalog Number (DU Number):

DU1714

Accession:

NM_032960

Expression

bacteria

Terminus and Tag:

N-Term GST Uncleaved

C-Term Myc Uncleaved

Purification Method:

GSH Sepharose

Enzymatic Assay Format:

Standard filter binding assay

Assay Buffer:

50 mM Tris-HCl pH 7.5, 0.1% 2-mercaptoethanol, 0.1 mM EGTA, 10 mM MgAc

Assay Substrate:

KKLNRTLVA: Final concentration: 30 μM

Calculated Molecular Mass:

Mono-Isotopic Mass: 70,022.91 daltons

Average Mass: 70,068.29 daltons

Purity:

>90 %

Storage Buffer:

50 mM Tris-HCl pH 7.5, 50 % glycerol, 150 mM NaCl, 0.1mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF

Storage Temperature:

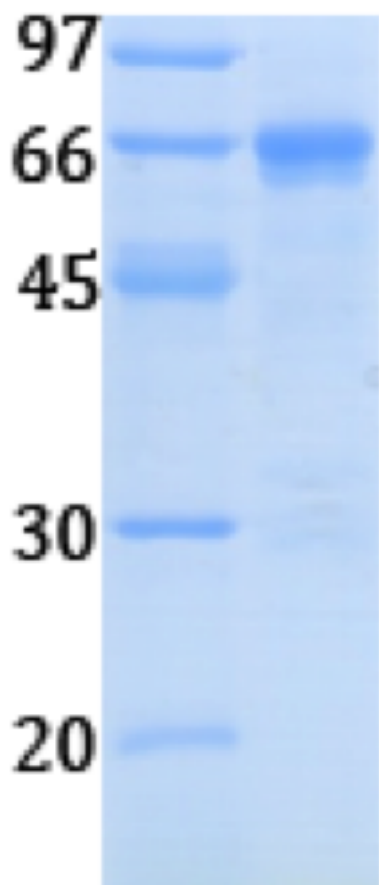
-20 °C

Theoretical PI:

7.87

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids F46 – H400 (end) of human MAPKAP-K2. Residue F243 of the fusion protein is equivalent to F46 of the native enzyme. The GST tag is located at residues 1 – 220 and the MYC tag is located at residues 599 – 608. The following amino acid is present after the MAPKAP-K2 sequence and before the MYC tag, M at residue 598 and the following amino acid is present after the MYC tag, K at residue 609. The following amino acid substitutions are present: E – R, where E394 of the native sequence is R591 of the fusion protein A – G, where A399 of the native sequence is G596 of the fusion protein

Protease Cleavage:

Thrombin (LVPRGS) at residues 221 – 226

Cloning Sites:

BamH1 and EcoR1 sites of pGEX-4T

Price per aliquot (100µg):

£110.00