



B-Raf [V600E] (2 - 766)

Catalog Number (DU Number):

DU15485

Accession:

NM_004333.4

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, 10 mM DTT, 0.1 mM EGTA, 10 mM MgAc

Enzymatic Substrate:

Three step assay in which B-Raf activates inactive MKK1, which in turn activates inactive p42MAPKinase. Activity of p42MAPkinase is then assayed against myelin basic protein as substrate (final conc. of 0.3 mg/ml), in a standard filter binding assay.

Calculated Molecular Mass:

Mono-Isotopic Mass: 111,757.49

Average Mass: 111,828.55

Purity:

85 %

Storage Buffer:

50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.03 % Brij-35, 0.2 mM PMSF, 1 mM Benzamidine

Storage Temperature:

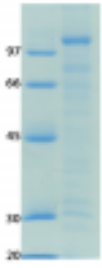
-70 °C

Theoretical pI:

6.53

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids A2 – H766 (end) of human B-Raf. Residue A238 of the fusion protein is equivalent to A2 of the native enzyme. The GST tag is located at residues 1 - 220. The enzyme has a V600E mutation to mimic the mutation found in 66 % of malignant melanomas. Residue E600 is equivalent to E836 of the fusion protein.

Protease Cleavage:

PreScission (LEVLFGQP) residues 221 - 228

Price per aliquot (100µg):

£100.00