



## 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:

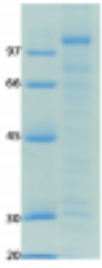
**-70 °C**

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**