c-Raf [Y340D, Y341D] (306 - 648) *

Catalog Number (DU Number):
DU811

Accession:
BC018119

Expression
baculovirus

Terminus and Tag:
N-Term GST Uncleaved

Purification Method:
GSH Sepharose

Enzymatic Assay Format:
hree step assay in which c-Raf activates unactive MKK1 [DU 1843], which in turn activates unactive p42MAPKinase [DU 650 or DU 1844].
,
Activity of p42MAPkinase is then assayed against MBP as substrate (final concentration of 0.3 mg/ml), in the standard filter binding assay.

Enzymatic Buffer:
50 mM Tris-HCl pH 7.5, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.2 mM sodium vanadate, 0.5 ?M microcystin-LR, 10 mM magnesium acetate

Calculated Molecular Mass:
Mono-Isotopic Mass: 65, 727.62 daltons
Average Mass: 65, 769.87 daltons

Protein Activity:
Constitutively Active

Purity:
>80 %

Storage Buffer:
50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35

Storage Temperature:
-70 °C

Theoretical pI:
8.2

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Gel Information :

Gel Image 1:

Native Sequence:
Amino acids S306 – F648 (end) of human c-Raf. Residue S232 of the fusion protein is equivalent to S306 of the native enzyme. The enzyme has a Y430D and a Y341D mutation in order to mimic phosphorylation of the enzyme. Residues Y430 and Y431 are equilivalent to D266 and D267 of the fusion protein. The GST tag is located at residues 1 – 220.

Protease Cleavage:
PreScission (LEVLFQGPL) at residues 221 – 229

Cloning Sites:
BamHI and EcoRI site of pFastBAC GST

Price per aliquot (100µg):
£100.00

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