

## Recombinant Human RAF1 Protein, His-tagged

Cat. No. RAF1-442H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human RAF1 protein, fused to His tag, was expressed in Sf9 cells.

**Species** Human

**Source** Insect Cells

**Description**

This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2. [provided by RefSeq, Jul 2008].

**Form**

50 mM Tris.HCl pH 8.0, 150 mM NaCl, 20 % glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

**Molecular Mass** 39 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** Raf-1 proto-oncogene, serine/threonine kinase [ Homo sapiens ]

**Official Symbol** RAF1

**Synonyms** c-Raf; CMD1NN; CRAF; NS5; Raf-1

**Gene ID** 5894

**mRNA Refseq** NM\_002880.3

**Protein Refseq** NP\_002871.1

**MIM** 164760

**UniProt ID** P04049

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA