Recombinant Human RAF1, MYC/DDK-tagged

Cat. No. RAF1-552H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAF1, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	72.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	RAF1 Raf-1 proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	RAF1
Synonyms	RAF1; v-raf-1 murine leukemia viral oncogene homolog 1; NS5; CRAF; Raf-1; c-Raf; Oncogene RAF1; raf proto-oncogene serine/threonine protein kinase; EC 2.7.11.1; C-RAF; cRaf
Gene ID	5894
mRNA Refseq	NM_002880
Protein Refseq	NP_002871
MIM	164760
UniProt ID	P04049
Chromosome Location	3p25
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events; Acute myeloid leukemia; Axon guidance; B cell receptor signaling pathway
Function	ATP binding; MAP kinase kinase kinase activity; identical protein binding; mitogen-activated protein kinase kinase binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA