

Recombinant Human RAF1 protein, His-tagged

Cat. No. RAF1-169H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAF1(Ser306-Phe648) fused with His tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Ser306-Phe648
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.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol.
Molecular Mass	39 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Storage

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.

Concentration

>50 ug/mL as determined by microplate BCA method

GENE INFORMATION
Gene Name

RAF1 v-raf-1 murine leukemia viral oncogene homolog 1 [Homo sapiens]

Official Symbol

RAF1

Synonyms

RAF1; v-raf-1 murine leukemia viral oncogene homolog 1; RAF proto-oncogene serine/threonine-protein kinase; c Raf; CRAF; Raf 1; Oncogene RAF1; proto-oncogene c-RAF; raf proto-oncogene serine/threonine protein kinase; NS5; Raf-1; c-Raf;

Gene ID

5894

mRNA Refseq

NM_002880

Protein Refseq

NP_002871

MIM

164760

UniProt ID

P04049

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