

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

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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

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