

RAF1, Active recombinant protein
RAF, RAF proto-oncogene serine/threonine-protein kinase
Catalog # PBV11302r**Specification**

RAF1, Active recombinant protein - Product info

Primary Accession	P04049
Concentration	0.1
Calculated MW	63.0 kDa KDa

RAF1, Active recombinant protein - Additional Info

Gene ID	5894
Gene Symbol	RAF1
Other Names	
RAF, RAF proto-oncogene serine/threonine-protein kinase , Proto-oncogene c-RAF	
Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.

RAF1, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAF1, Active recombinant protein - Images**RAF1, Active recombinant protein - Background**

RAF1 is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly (1). The activated RAF1 can phosphorylate and 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 (2).

RAF1, Active recombinant protein - References

Bonner T.I.,et al.Nucleic Acids Res. 14:1009-1015(1986).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Bonner T.I.,et al.Mol. Cell. Biol. 5:1400-1407(1985).

Andreu-Perez P.,et al.Sci. Signal. 4:RA58-RA58(2011).