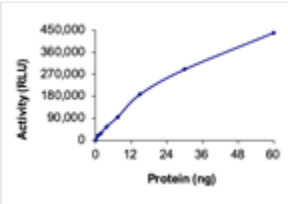
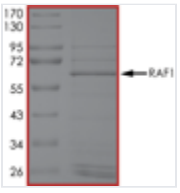
RAF1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	RAF1, Recombinant Protein
Full Product Name	RAF1, Active
Product Gene Name	RAF1 recombinant protein
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 300mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Molecular Weight	63kDa
Tag	GST
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for RAF1 recombinant protein	Protein Kinases; Angiogenesis; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; ERK/MAPK Pathway; Invasion/Metastasis; Neurobiology; Ser/Thr Kinases
Applications Tested/Suitable for RAF1 recombinant protein	Kinase Assay
Related Product Information for RAF1 recombinant protein	Recombinant human RAF1 (306-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002880. 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).
Product References and Citations for RAF1 recombinant protein	1. Rapp, U. et al: Structure and biological activity of v-raf, a unique oncogene transduced by a retrovirus. Proc. Nat. Acad. Sci. 80: 4218-4222, 1983. 2. Li, P. et al: Raf-1: a kinase currently without a cause but not lacking in effects. Cell 64: 479-482, 1991.
Other Notes	Small volumes of RAF1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RAF1 purchase	MBS517495 is a recombinant protein targeting RAF1. Also known as RAF1, Active. Host: Sf9 insect cells.



Activity of RAF1 recombinant protein
Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.



SDS-Page of RAF1 recombinant protein
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAF1. It may not necessarily be applicable to this product.

GenBank Nucleotide #	NM_002880
Protein Family	RAF proto-oncogene serine/threonine-protein kinase
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