Recombinant Mouse RAF proto-oncogene serine/threonine-protein kinase (Raf1)

Product Code	CSB-EP859572MO
Abbreviation	Raf1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99N57
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MEHIQGAWKT ISNGFGLKDA VFDGSSCISP TIVQQFGYQR RASDDGKLTD SSKTSNTIRV FLPNKQRTVV NVRNGMSLHD CLMKALKVRG LQPECCAVFR LLQEHKGKKA RLDWNTDAAS LIGEELQVDF LDHVPLTTHN FARKTFLKLA FCDICQKFLL NGFRCQTCGY KFHEHCSTKV PTMCVDWSNI RQLLLFPNST VGDSGVPAPP SFPMRRMRES VSRMPASSQH RYSTPHAFTF NTSSPSSEGS LSQRQRSTST PNVHMVSTTL HVDSRMIEDA IRSHSESASP SALSSSPNNL SPTGWSQPKT PVPAQRERAP GSGTQEKNKI RPRGQRDSSY YWEIEASEVM LSTRIGSGSF GTVYKGKWHG DVAVKILKVV DPTPEQLQAF RNEVAVLRKT RHVNILLFMG YMTKDNLAIV TQWCEGSSLY KHLHVQETKF QMFQLIDIAR QTAQGMDYLH AKNIIHRDMK SNNIFLHEGL TVKIGDFGLA TVKSRWSGSQ QVEQPTGSVL WMAPEVIRMQ DDNPFSFQSD VYSYGIVLYE LMAGELPYAH INNRDQIIFM VGRGYASPDL SRLYKNCPKA MKRLVADCVK KVKEERPLFP QILSSIELLQ HSLPKINRSA SEPSLHRAAH TEDINACTLT TSPRLPVF
Source	E.coli
Target Names	Raf1
Protein Names	Recommended name: RAF proto-oncogene serine/threonine-protein kinase EC= 2.7.11.1 Alternative name(s): Proto-oncogene c-RAF Short name= cRaf Raf-1
Expression Region	1-648
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.