

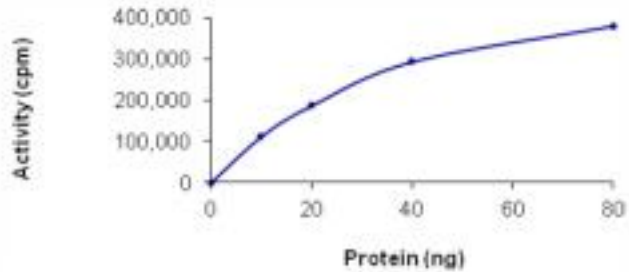
MAP2K1

Recombinant Human Mitogen-Activated Protein Kinase Kinase 1 GST Active

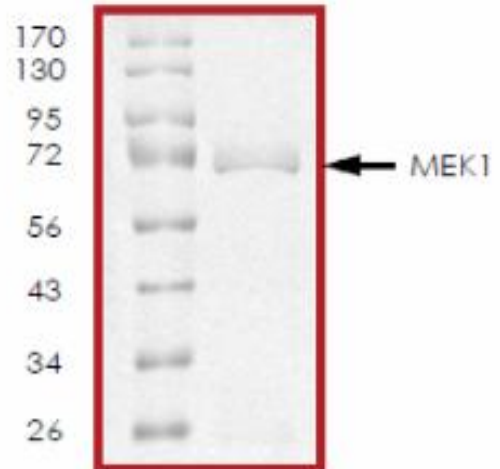
Catalog No.	CS111046A CS111046B	Quantity:	5 µg 10 µg
Alternate Names:	MAPKK1, MEK1, MKK1, PRKMK1		
Description:	<p>Recombinant Human Mitogen-Activated Protein Kinase 1 (MEK1) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.</p> <p>MEK1 is a member of the dual specificity protein kinase family that acts as a mitogen-activated protein kinase (MAPK) kinase. MEK1 lies upstream of MAP/ERK and stimulates the enzymatic activity of MAPK/ERK upon a wide variety of extra and intracellular signals. As an essential component of MAP/ERK signal transduction pathways, MEK1 is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. Constitutive activation of MEK1 results in cellular transformation. Thus, MEK1 represents a likely target for pharmacologic intervention in proliferative disease such as cancer.</p>		
Concentration:	0.1 mg/ml		
Gene ID:	5604		
Gene Accession No:	NM_002755		
Source:	Sf9 insect cells		
Molecular Weight:	~72 kDa		
Formulation:	Liquid in 50 mM Tris-HCl, pH 7.5 + 150 mM NaCl + 0.25 mM DTT + 0.1 mM EGTA + 0.1 mM EDTA + 0.1 mM PMSF + 25% Glycerol.		
Purity:	>95% by densitometry		
Specific Activity:	325 nmol/min/mg		
Storage & Stability:	Stable for one year at -80°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.		



The specific activity of MEK1 was determined to be 325 nmol/min/mg as per ^{32}P -ATP activity assay protocol.



The purity of MEK1 was determined to be >95% by densitometry.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

