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Datasheet for ABIN6388205
MEK1 Protein (AA 1-393) (His tag)

Overview

Quantity:	50 µg
Target:	MEK1 (MAP2K1)
Protein Characteristics:	AA 1-393
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MEK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPMPKKKPT PIQLNPAPDG SAVNGTSSAE TNLEALQKKL EELELDEQQR KRLEAFLTQK QKVGELKDDD FEKISELGAG NGGVVFKVSH KPSGLVMARK LIHLEIKPAI RNQIIRELQV LHECNSPYIV GFYGAFYSDG EISICMEHMD GGSLDQVLKK AGRPEQILG KVSIAVIKGL TYLREKHKIM HRDVKPSNIL VNSRGEIKLC DFGVSGQLID SMANSFVGTR SYMSPERLQG THYSVQSDIW SMGLSLVEMA VGRYPIPPPD AKELELMFGC QVEGDAAETP PRPRTPGRPL SSYGMDSRPP MAIFELLDYI VNEPPPKLPS GVFSLEFQDF VNKCLIKNPA ERADLKQLMV HAFIKRSDAE EVDFAGWLCS TIGLNQPSTP THAAGVHHHH HH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	MEK1 (MAP2K1)
Alternative Name:	MAP2K1 (MAP2K1 Products)
Background:	MAP2K1, is a member of the bispecific protein kinase family, which acts as a mitogen-activated protein (MAP) kinase. It is expressed extensively and brain levels are very low. It is located upstream of the MAP kinase and stimulates the enzymatic activity of MAP kinases on a variety of extra-and-cellular signals. This protein, an essential component of the MAP kinase signaling pathway, is involved in many cellular processes such as proliferation, differentiation, transcriptional regulation and development. Recombinant human MAP2K1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	44.5kDa (402aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_002746
UniProt:	Q02750
Pathways:	MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Activation of Innate immune Response , Toll-Like Receptors Cascades , Autophagy , Signaling of Hepatocyte Growth Factor Receptor , BCR Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.