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Datasheet for 009-001-GQ4

rHuman MEK2 Protein

Overview

Description:	MEK2 human recombinant protein - 009-001-GQ4
Item No.:	009-001-GQ4
Size:	10 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	MEK2 recombinant protein was produced in Sf9 cells. Mitogen-activated protein kinase kinase 2, also known as MAP2K2, MEK, MEK2, MKK2, MEK-2, is an integral component of the MAP kinase cascade that regulates cell growth and differentiation. This pathway also plays a key role in synaptic plasticity in the brain. Activated MEK 1 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase. MEK1 and MEK2 are about 80% identical to each other, and nearly identical within the kinase domain. Recombinant MEK2 protein is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MAP2K2, MEK, MEK2, MKK2, PRKMK2 ,CFC4, MEK-2 recombinant protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	MAP2K2
Purity/Specificity:	MEK2 is a recombinant protein containing a polyhistidine tag expressed in Sf9. Analysis by SDS-PAGE resulted in a pattern consistent with purified MEK2 and was estimated to be greater than 90% pure.
Relevant Links:	• UniProtKB - P36507

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Human MEK2 recombinant protein has been tested in SDS-Page and is suitable as a control for polyclonal or monoclonal anti-MEK1 in immunological assays. For western blot use at 50 ng or less. For other assays concentration is user optimized. For a phosphorylated form of the protein co-expressed with constitutively active B-raf (V600E) see (p/n 009-001-GQ5) MEK2 pS222-pS226.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	50ng

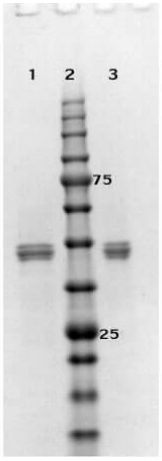
Formulation

Physical State:	Liquid (sterile filtered)
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



SDS-PAGE
SDS-PAGE results of MEK2 Recombinant Protein. Lane 1: reduced MEK2 protein. Lane 2: Opal Prestained Molecular Weight Ladder (p/n MB-210-0500). Lane 3: non-reduced MEK2 protein. Load: 1µg. 4-20% Lonza SDS-PAGE; Coomassie Stained; BioRad ChemiDoc Imaged.

Disclaimer

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