

Datasheet for 009-001-GQ6**MEK1 double mutant hu recomb protein****Overview**

Description:	MEK1 double mutant human recombinant protein - 009-001-GQ6
Item No.:	009-001-GQ6
Size:	10 µg
Applications:	SDS-PAGE
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	MEK1 isoform double mutant recombinant protein is modified to put alanine residues at two key activation sites, Serine 218 and Serine 222. Mitogen-activated protein kinase kinase 1, also known as MKK or MEK, 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. The inactive double mutant MEK1 recombinant protein is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MAP2K, MEK, MEK1, MKK1, PRKMK1, MEK-1 recombinant protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	MAP2K1
Purity/Specificity:	MEK1 double mutant human is a recombinant protein containing a polyhistidine tag expressed in Sf9. This double mutant protein contain alanine substitutions at S218A and S222A rendering it inactive. Analysis by SDS-PAGE resulted in a pattern consistent with purified MEK1 and was estimated to be greater than 90% pure.
Relevant Links:	• UniProtKB - Q02750

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Human MEK1 mutant recombinant protein has been tested in SDS-Page and is suitable as a negative control protein for immunoassays using antibodies targeting the critical MEK1 phosphorylated S218 or S222 residues. For western blot use at 50 ng or less. For other assays concentration is user optimized.
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.

Disclaimer

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