

Datasheet for 009-001-GP5**MEK1 phosphoS218-pS222 hu recomb protein****Overview**

Description:	MEK1 pS218-pS222 human recombinant protein - 009-001-GP5
Item No.:	009-001-GP5
Size:	10 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	MEK1 pS218-pS222 is an activated recombinant protein was produced in Sf9 cells by co-expression of B-raf. 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. This recombinant protein is the MEK1 isoform and 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
PTM Specificity:	Dual Modification
Purity/Specificity:	MEK1 pS218-pS222 is a recombinant protein containing a polyhistidine tag expressed in Sf9. This protein is expressed in the presence of constitutively active B-raf (V600E) leading to high levels of phosphorylation of MEK1 activation residues at position S218 and S222. 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

Application Note:	MEK1 pS218-pS222 is an activated recombinant protein suitable as a control for polyclonal or monoclonal anti-MEK1 in immunological assays. Activated MEK1 can be used in vitro to phosphorylate ERK protein. 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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