

Datasheet for 009-001-GQ5**MEK2 pS222-pS226 hu recomb protein****Overview**

Description:	MEK2 pS222-pS226 human recombinant protein - 009-001-GQ5
Item No.:	009-001-GQ5
Size:	10 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	MEK2 pS222-pS226 is an activated recombinant protein was produced in Sf9 cells by co-expression of B-raf. Mitogen-activated protein kinase kinase 2, also known as MAP2K2, MEK, MEK2, MKK2 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 2 acts as a dual specificity kinase phosphorylating both a threonine and a tyrosine residue on MAP kinase. This recombinant protein is the MEK2 isoform and is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MEK2, MKK2, PRKMK2 ,CFC4, MEK-2 Antibody, MEK-2 recombinant protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	MAP2K2
PTM Specificity:	Dual Modification
Purity/Specificity:	MEK2 pS222-pS226 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 MEK2 activation residues S222 and S226. 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

Application Note:	MEK2 pS222-pS226 is an activated recombinant protein suitable as a control for polyclonal or monoclonal anti-MEK2 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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