



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 009-001-GQ4****rHuman MEK2 Protein****Overview**

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

**Product Details**

<b>Background:</b>	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.
<b>Synonyms:</b>	MAP2K2, MEK, MEK2, MKK2, PRKMK2 ,CFC4, MEK-2 recombinant protein
<b>Species of Origin:</b>	Human
<b>Expressed in:</b>	Sf9 cells
<b>Type:</b>	Recombinant Protein

**Target Details**

<b>Gene Name:</b>	MAP2K2
<b>Purity/Specificity:</b>	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.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - P36507</a></li></ul>

## Application Details

<b>Tested Applications:</b>	SDS-PAGE
<b>Application Note:</b>	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.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>WB:</b>	50ng

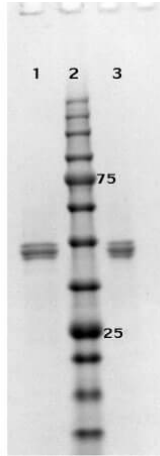
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	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: 1 $\mu$ g. 4-20% Lonza SDS-PAGE; Coomassie Stained; BioRad ChemiDoc Imaged.

**Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.