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+1 484.791.3823

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

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.

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