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Datasheet for 009-001-GP8

ERK1 phosphoT202-pY204 hu recomb protein

Overview

Description:	ERK1 pT202-pY204 human recombinant protein - 009-001-GP8
Item No.:	009-001-GP8
Size:	10 µg
Origin:	Human
Expressed in:	Sf9 cells

Product Details

Background:	ERK1 pT202-pY204 activated recombinant protein was produced in Sf9 cells. Mitogen activated protein kinase 3, also known as MAPK3, ERK, or ERK1, 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. This recombinant protein is the activated ERK1 isoform and is ideal for investigators involved in Neuroscience, Cell Signaling and Cancer Research.
Synonyms:	MAPK3, ERK, ERK1, PRKM3, ERK-1 Antibody, MAPK1, ERK-2, ERK2, MAPK2, P42MAPK, PRKM1, PRKM2, ERK-2 recombinant protein
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	MAPK3
PTM Specificity:	Dual Modification
Purity/Specificity:	ERK1 pT202-pY204 is a recombinant protein containing a polyhistidine tag expressed in Sf9. ERK1 was phosphorylated in vitro using the activated MEK. Analysis by SDS-PAGE resulted in a pattern consistent with purified ERK1 and was estimated to be greater than 90% pure.
Relevant Links:	• UniProtKB - P27361

Application Details

Application Note:	ERK1 pT202-pY204 is an activated recombinant protein suitable as a control for polyclonal or monoclonal anti-ERK in immunological assays. ERK1 can be activated by in vitro phosphorylation by MEK proteins. 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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