Datasheet for ABIN666923

ERK2 Protein (AA 1-360) (His tag)

1 Image

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Overview

Quantity:	100 µg
Target:	ERK2 (MAPK1)
Protein Characteristics:	AA 1-360
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERK2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	MAPK1, 1-360aa, Human, His tag, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	ERK2 (MAPK1)
Alternative Name:	MAPK1 (MAPK1 Products)
Background:	MAPK1, also known as ERK(extracellular signal-regulated kinase), acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets.

Target Details

	Recombinant human MAPK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: ERK, ERK2, ERT1, MAPK2, p38, p40, p41, p41mapk, P42MAPK, PRKM1, PRKM2, Mitogen-activated protein kinase 1 MAP kinase 2, MAPK 2, ERK 2, Extracellular Signal Regulated Kinase 2, MAPK 1. NCBI no.: NP_620407
Molecular Weight:	43.5 kDa (380aa), confirmed by MALDI-TOF.
Pathways:	MAPK Signaling, RTK Signaling, Apoptosis, Interferon-gamma Pathway, Fc-epsilon Receptor Signaling Pathway, Response to Growth Hormone Stimulus, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, Monocarboxylic Acid Catabolic Process, Autophagy, G-protein mediated Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth Factor Receptor, VEGFR1 Specific Signals, BCR Signaling, S100 Proteins

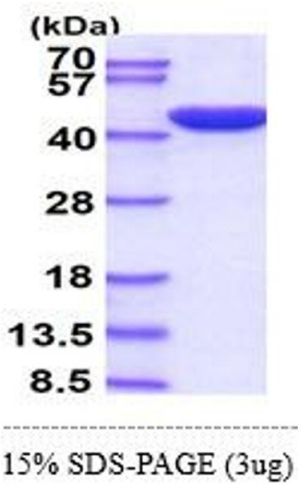
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/ml (determined by Bradford assay)
Buffer:	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1 M NaCl.
Storage:	4 °C

Images



SDS-PAGE

Image 1.