

Datasheet for ABIN667192

ERK1 Protein (AA 1-379) (His tag)[Go to Product page](#)**1** Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | ERK1 (MAPK3) |
| Protein Characteristics: | AA 1-379 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ERK1 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

| | |
|------------------|--|
| Characteristics: | MAPK3, 1-379aa, Human, His tag, E.coli |
| Purity: | > 90 % by SDS - PAGE |

Target Details

| | |
|-------------------|---|
| Target: | ERK1 (MAPK3) |
| Alternative Name: | MAPK3 (MAPK3 Products) |
| Background: | MAPK3 is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This protein is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Recombinant human MAPK3 protein, |

Target Details

| | |
|-------------------|---|
| | fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: ERK1, HS44KDAP, HUMKER1A, P44ERK1, P44MAPK, PRKM3, MAP kinase3, Mitogen-activated protein kinase 3. NCBI no.: NP_002737 |
| Molecular Weight: | 45.2 kDa (399aa), confirmed by MALDI-TOF |
| Pathways: | MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin 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 , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , S100 Proteins |

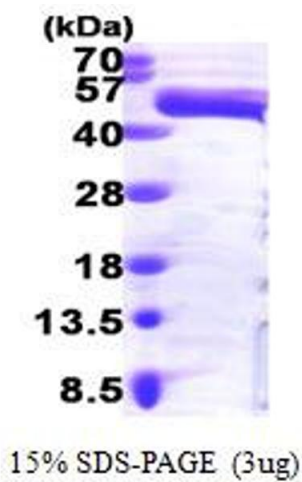
Application Details

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|----------------|---|
| Format: | Liquid |
| Concentration: | 0.5 mg/ml (determined by Bradford assay) |
| Buffer: | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT |
| Storage: | 4 °C |

Images



SDS-PAGE
Image 1.