

# Recombinant Human MAPK3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. MAPK3-061H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

MAPK3 MS Standard C13 and N15-labeled recombinant protein (NP\_002737) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

The protein encoded by this gene 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 kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

### Molecular Mass

43.1 kDa

### AA Sequence

MAAAAAQGGGGGEPRTGEGVGPVGEVEMVKGQPFVGPRTYQLQYIGEGAYG  
 MVSSAYDHRKTRVAIKKISPFEHQTYCQRTLREIQILLRFRHENVIGIRDILRASTLEA  
 MRDVYIVQDLMETDLYKLLKSQQLSNDHICYFLYQILRGLKYIHSANVLRDLKPSNL  
 LINTTCDLKICDFGLARIADPEHDHTGFLTEYVATRWRAPYIIMLNKGYTKSIDIWSV  
 GCILAEMLSNRPIFPKHYLDQLNHILGILGSPSQEDLNCIINMKARNYLQSLPSKTKV  
 AWAKLFPKSDSKALDLLDRMLTFNPNKRITVEEALAHPLYEQYYDPTDEPVAEEPFT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	FAMELDDLPKERLKLKELIFQETARFQPGVLEAPTRTRPLEQKLISEEDLAANDILDYKDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	MAPK3 mitogen-activated protein kinase 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MAPK3
<b>Synonyms</b>	MAPK3; mitogen-activated protein kinase 3; ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; P44ERK1; P44MAPK; PRKM3; mitogen-activated protein kinase 3; MAPK 1; extracellular signal-regulated kinase 1; extracellular signal-related kinase 1; insulin-stimulated MAP2 kinase; microtubule-associated protein 2 kinase; EC 2.7.11.24
<b>Gene ID</b>	5595
<b>mRNA Refseq</b>	NM_002746
<b>Protein Refseq</b>	NP_002737

 Tel: 1-631-559-9269 1-516-512-3133

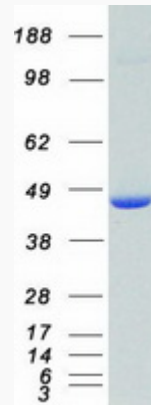
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127


 45-1 Ramsey Road, Shirley, NY 11967, USA

**MIM** 601795


**UniProt ID** P27361

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA