

# Recombinant Human MAPK13 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MAPK13-2436H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MAPK13 MS Standard C13 and N15-labeled recombinant protein (NP_002745) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a member of the mitogen-activated protein (MAP) kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The encoded protein is a p38 MAP kinase and is activated by proinflammatory cytokines and cellular stress. Substrates of the encoded protein include the transcription factor ATF2 and the microtubule dynamics regulator stathmin. Alternatively spliced transcript variants have been observed for this gene. |
| <b>Molecular Mass</b>   | 42.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MSLIRKKGFYKQDVNKTAWELPKTYVSPTHVGSGAYGSVCSAIDKRSGEKVAIKKLS<br>RPFQSEIFAKRAYRELLLLKHMQHENVIGLLDVFTPASSLRNFYDFYLVMPFMQTDL<br>QKIMGMEFSEEKIQYL VYQMLKGLKYIHSAGVVHRDLKPGNLAVNEDCELKILDFGLA<br>RHADAEMTGYVVTRWYRAPEVILSWMHYNQTVDIWSVGCIMAEMLTGKTLFKGKD<br>YLDQLTQILKVTGVPGTEFVQKLNDKAAKSYIQSLPQTTPRKDFTQLFPRASPQAADLL                                                                                                                                                                                                                                                                                                       |

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EKMLELDVDKRLTAAQALTHPFFEPFRDPEEETEAQQPFDDSL EHEKLTVDEWKQHI  
YKEIVNFSPIARKDSRRRSGMKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [MAPK13 mitogen-activated protein kinase 13 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [MAPK13](#)

**Synonyms** MAPK13; mitogen-activated protein kinase 13; PRKM13; p38delta; SAPK4; MAPK 13; MAP kinase 13; MAP kinase p38 delta; stress-activated protein kinase 4; mitogen-activated protein kinase p38 delta; MGC99536;

**Gene ID** [5603](#)

**mRNA Refseq** [NM\\_002754](#)

**Protein Refseq** [NP\\_002745](#)

**MIM** [602899](#)

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UniProt ID

O15264

SDS-PAGE

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