

Recombinant Human MAPK4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAPK4-2276H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAPK4 MS Standard C13 and N15-labeled recombinant protein (NP_002738) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus and phosphorylate nuclear targets. Alternative splicing results in multiple transcript variants.
Molecular Mass	66 kDa
AA Sequence	MAEKGDCIASVYGYDLGGRFVDFQPLGFGVNGLVLSAMDSRACRKVAVKKIALSDA RSMKHALREIKIIRRLDHDNIVKVYEVLGPKGTDLQGELFKFSVAYIVQEYMETDLARL LEQGTLAEEHAKLFMYQLLRGLKYIHSANVLHRDLKPANIFISTEDLVLKIGDFGLARIV DQHYSHKGYLSEGLVTKWYRSPRLLLSPNNYTKAIDMWAAGCILSEMLTGRMLFAG AHELEQMQLILETIPVIREEDKDELLRVMPSFVSSTWEVKRPLRKLPEVNSEIDFLE KILTFNPMDRLTAEMGLQHPYMSPYSCPEDEPTSQHPFRIEDEIDDIVLMAANQSQL SNWDTCSSRYPVSLSSDLEWRPDRCQDASEVQRDPRAGSAPLAEDVQVDPRKDS HSSSERFLEQSHSSMERAFAEADYGRSCDYKVGSPSYLDKLLWRDNKPHHYSEPKLI LDLSHWKQAAGAPPTATGLADTGAREDEPASLFLEIAQWVKSTQGGPEHASPPADD

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PERRLSASPPGRPAPVDGGASPQFDLDVFISRALKLCTKPEDLPDNKLGDNLGACIP
EHPGDLVQTEAFSKERWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	MAPK4 mitogen-activated protein kinase 4 [Homo sapiens (human)]
Official Symbol	MAPK4
Synonyms	MAPK4; mitogen-activated protein kinase 4; PRKM4; Erk3 related; Erk4; ERK-4; MAPK 4; p63-MAPK; Erk3-related; MAP kinase 4; MAP kinase isoform p63; extracellular signal-regulated kinase 4; ERK3; p63MAPK;
Gene ID	5596
mRNA Refseq	NM_002747
Protein Refseq	NP_002738
MIM	176949

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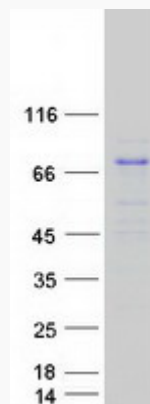
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UniProt ID

P31152

SDS-PAGE

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