

Product datasheet for PH307414

MAPK4 (NM_002747) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MAPK4 MS Standard C13 and N15-labeled recombinant protein (NP_002738)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207414
Predicted MW:	66 kDa
Protein Sequence:	>RC207414 protein sequence Red=Cloning site Green=Tags(s)

MAEKGDCIASVYGYDLGGRFVDFQPLGFGVNLVLSAMDSRACRKVAVKKIALSDARSMKHALREIKIIR
RLDHDNIKVYEVLPKGTDLQGELEFKFSVAYIVQEYMETDLARLLEQGTLAEEHAKLFMYQLLRGLKYI
HSANVLRDLKPANIFISTEDLVKIGDFGLARIVDQHYSHKGYLSEGLVTKWYRSPRLLLSPNNYTKAI
DMWAAGCILSEMLTGRMLFAGAHELEQMQLILETIPVIREEDKDELLRVMPFSVSTWEVKRPLRKLPE
VNSEAIIDFLEKILTFNPMDRLEAEMGLQHPYMSYSCPEDEPTSQHPFRIEDEIDDIVLMAANQSQLSNW
DTCSSRYPVSLSSDLEWRPDRCDASEVQRDPRAGSAPLAEDVQVDPKDSHSSSERFLEQSHSSMERAF
EADYGRSCDYKVGSPSYLDKLLWRDNKPHHYSEPKLILDL SHWKQAAGAPPTATGLADTGAREDEPASLF
LEIAQWVKSTQGGPEHASPPADDPERRLSASPPGRPAPVDGGASPFDLDFVFI SRALKLCTKPEDLPDNK
LGDLNGACIPEHPGDLVQTEAFSKERW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002738
RefSeq Size:	4736
RefSeq ORF:	1761



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Synonyms: ERK-4; ERK4; p63-MAPK; p63MAPK; PRKM4

Locus ID: 5596

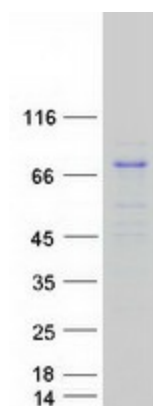
UniProt ID: [P31152](#)

Cytogenetics: 18q21.1-q21.2

Summary: 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. [provided by RefSeq, May 2014]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified MAPK4 protein (Cat# [TP307414]). The protein was produced from HEK293T cells transfected with MAPK4 cDNA clone (Cat# [RC207414]) using MegaTran 2.0 (Cat# [TT210002]).