

Product datasheet for **TP307414L**

MAPK4 (NM_002747) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitogen-activated protein kinase 4 (MAPK4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207414 protein sequence Red =Cloning site Green =Tags(s)

MAEKGDCIASVYGYDLGGRFVDFQPLGFGVNGLVLSAMDSRACRKVAVKKIALSDARSMKHALREIKIIR
RLDHDNIVKVYEVLGPKGTDLQGELFKFSVAYIVQEYMETDLARLLEQGTLAEEHAKLFMYQLLRGLKYI
HSANVLRDLKPANIFISTEDLVLKIGDFGLARIVDQHYSHKGYLSEGLVTKWYRSPRLLSPPNYTKAI
DMWAAGCILSEMLTGRMLFAGAHELEQMQLILETIPVIREEDKDELLRVMPSFVSSTWEVKRPLRKLPE
VNSEIDFLEKILTFNPMDRLTAEMGLQHPYMSPYSCPEDEPTSQHHPFRIEDEIDDIVLMAANQSQLSNW
DTCSSRYPVSLSSDLEWRPDRQCDAEVQRDPRAGSAPLAEDVQVDPKDSHSSSERFLEQSHSSMERAF
EADYGRSCDYKVGSPSYLDKLLWRDNKPHHYSEPKLILDLSHWKQAAGAPPTATGLADTGAREDEPASLF
LEIAQWVKSTQGGPEHASPPADDPERRLSASPPGRPAPVDGGASPQFDLDFISRALKLCTKPEDLPDNK
LGDNLGACIPEHPGDLVQTEAFSKERW

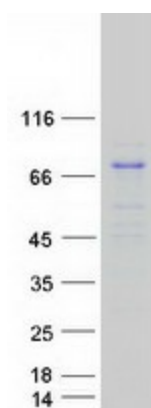
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	65.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002738</u>
Locus ID:	5596
UniProt ID:	<u>P31152</u>
RefSeq Size:	4736
Cytogenetics:	18q21.1-q21.2
RefSeq ORF:	1761
Synonyms:	ERK-4; ERK4; p63-MAPK; p63MAPK; PRKM4
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]).