

Product datasheet for **TP304874L**

RSK1 p90 (RPS6KA1) (NM_002953) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein S6 kinase, 90kDa, polypeptide 1 (RPS6KA1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204874 protein sequence Red =Cloning site Green =Tags(s)
	<p>MPLAQLKEPWPLMELVPLDPENGQTSGEEAGLQPSKDEGVLKEISITHHVKAGSEKADPSHFELLKVLGQ GSFQKVLVRKVTRPDSGHLYAMKVLKATLKVDRVRTKMERDILADVNHFPVVKLHYAFQTEGKLYLI LDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALGLDHLHSLGIYRDLKPENILLDEEGHIKLTDFGLSK EAIDHEKKAYSFCGTVEYMAPEVVNRQGHSHSADWWSYGVLMFEMLTGSLPFQGKDRKETMTLILKAKLG MPQFLSTEAQSLLRALFKRNPANRLGSGPDGAEIKRHV FYSTIDWNKLYRREIKPPFKPAVAQPDDTFY FDTEFTSRTPKDSPIPPSAGAHQLFRGFSFVATGLMEDDGKPRAPQAPLHSSVQQLHGKLNLFSDGYVV KETIGVGSYSECKRCVHKATNMEYAVKVIDKSKRDPSEEIEILLRYGQHPNIITLKDVIYDDGKHVYLVE LMRGGELLDKILRQKFFSEREASFVLHTIGKTVEYLHSQGVVHRDLKPSNILYVDESIGNPECLRICDFGF AKQLRAENGLLMTPCYTANFVAPEVLKRQGYDEGCDIWSL GILLYTMLAGYTPFANGPSDTPPEILTRIG SGKFTLSGGNWNTVSETAKDLVSKMLHVDPHQRLTAKQVLQHPVWTQKDKLPQSQLSHQDLQLVKGAMAA TYSALNSSKPTPQLKPIESSILAQRVRKLPSTTL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	82.5 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.



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Storage:	Store at -80°C.
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:	NP_002944
Locus ID:	6195
UniProt ID:	Q15418
RefSeq Size:	3199
Cytogenetics:	1p36.11
RefSeq ORF:	2205
Synonyms:	HU-1; MAPKAPK1; MAPKAPK1A; p90Rsk; RSK; RSK1
Summary:	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Long-term potentiation, MAPK signaling pathway, mTOR signaling pathway, Neurotrophin signaling pathway, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified RPS6KA1 protein (Cat# [TP304874]). The protein was produced from HEK293T cells transfected with RPS6KA1 cDNA clone (Cat# [RC204874]) using MegaTran 2.0 (Cat# [TT210002]).