

Product datasheet for PH304874

RSK1 p90 (RPS6KA1) (NM_002953) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPS6KA1 MS Standard C13 and N15-labeled recombinant protein (NP_002944)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204874
Predicted MW:	82.7 kDa
Protein Sequence:	>RC204874 protein sequence Red=Cloning site Green=Tags(s)

MPLAQLKEPWPLMELVPLDPENQTSGEAGLQPSKDEGVLKEISITHHVKAGSEKADPSHFELLKVLGQ
GSFGKVFLVRKVTRPDSGHLIYAMKVLKATLKVDRVTRKMERDILADVNHFPVVKLHYAFQTEGKLYLI
LDFLRGGDLFTRL SKEVMFTEEDVKFYLAELALGLDHLHSLGIIYRDLKPENILLDEEGHKL TDFGLSK
EAIDHEKKAYSFCGTVEYMAPEVVRQGHSHSADWWSYGVLMFEMLTGSLPFQGKDRKETMTLILKAKLG
MPQFLSTEAQSLLRALFKRNPANRLGSGPDGAEEIKRHVFYSTIDWNKLYRREIKPPFKPAVAQPDDTFY
FDTEFTSRTPKDSPGIPPSAGAHQLFRGFSFVATGLMEDDGKPRAPQAPLHSSVQQLHGKNLVFSDGYVV
KETIGVGSYSECKRCVHKATNMEYAVKVIDKSKRDPSEEIEILLRYGQHPNIIITLKD VYDDGKHVYL VTE
LMRGGELLDKILRQKFFSEREASFVLTIGKTVEYLHSQGVVHRDLKPSNILYVDESGNPECLRICDFG
AKQLRAENGLLMTPCYTANFVAPEVLKRQGYDEGCDIWSLGILLYTMLAGYTPFANGPSDTPPEEILTRIG
SGKFTLSGGNWNVTSETAKDLVSKMLHVDPHQRLTAKQVLQHPWVTQKDKLPQSLSHQDLQLVKGAMAA
TYSALNSSKPTPQLKPIESSILAQRVRKLPSTTL

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_002944



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RefSeq Size:	3199
RefSeq ORF:	2205
Synonyms:	HU-1; MAPKAPK1; MAPKAPK1A; p90Rsk; RSK; RSK1
Locus ID:	6195
UniProt ID:	Q15418
Cytogenetics:	1p36.11

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]).