

# **Product datasheet for TP304874L**

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## 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 >RC204874 protein sequence
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MPLAQLKEPWPLMELVPLDPENGQTSGEEAGLQPSKDEGVLKEISITHHVKAGSEKADPSHFELLKVLGQ
GSFGKVFLVRKVTRPDSGHLYAMKVLKKATLKVRDRVRTKMERDILADVNHPFVVKLHYAFQTEGKLYLI
LDFLRGGDLFTRLSKEVMFTEEDVKFYLAELALGLDHLHSLGIIYRDLKPENILLDEEGHIKLTDFGLSK
EAIDHEKKAYSFCGTVEYMAPEVVNRQGHSHSADWWSYGVLMFEMLTGSLPFQGKDRKETMTLILKAKLG
MPQFLSTEAQSLLRALFKRNPANRLGSGPDGAEEIKRHVFYSTIDWNKLYRREIKPPFKPAVAQPDDTFY
FDTEFTSRTPKDSPGIPPSAGAHQLFRGFSFVATGLMEDDGKPRAPQAPLHSVVQQLHGKNLVFSDGYVV
KETIGVGSYSECKRCVHKATNMEYAVKVIDKSKRDPSEEIEILLRYGQHPNIITLKDVYDDGKHVYLVTE
LMRGGELLDKILRQKFFSEREASFVLHTIGKTVEYLHSQGVVHRDLKPSNILYVDESGNPECLRICDFGF
AKQLRAENGLLMTPCYTANFVAPEVLKRQGYDEGCDIWSLGILLYTMLAGYTPFANGPSDTPEEILTRIG

SGKFTLSGGNWNTVSETAKDLVSKMLHVDPHQRLTAKQVLQHPWVTQKDKLPQSQLSHQDLQLVKGAMAA

TYSALNSSKPTPQLKPIESSILAQRRVRKLPSTTL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

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.



#### RSK1 p90 (RPS6KA1) (NM\_002953) Human Recombinant Protein - TP304874L

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

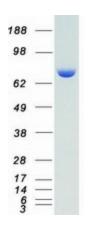
by RefSeq, Jul 2008]

**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]).