

RSK1, Active recombinant protein
RSK, ribosomal s6 kinase (rsk)
Catalog # PBV11297r**Specification**

RSK1, Active recombinant protein - Product info

Primary Accession	O15418
Concentration	0.1
Calculated MW	108.0 kDa KDa

RSK1, Active recombinant protein - Additional Info

Gene ID	6195
Gene Symbol	RSK
Other Names	
RSK, ribosomal s6 kinase (rsk), pp90RSK4	
Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Recombinant proteins in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

RSK1, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RSK1, Active recombinant protein - Images**RSK1, Active recombinant protein - Background**

The RSK (ribosomal S6 kinase) family comprises growth factor-regulated serine/threonine kinases, known also as p90(rsk). RSK1 contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. Moller described the cloning and characterization of 3 genes encoding RSKs, and HU1 (also named

RPS6KA1, or RSK1) cDNA encodes a predicted 735-amino acid protein containing 2 distinct consensus ATP-binding site sequences. Northern blot and RNase protection analyses detected an approximately 3.5-kb HU1 transcript in lymphocytes, skeletal muscle, liver, and adipose tissue (1). Zeniou determined the expression of the RSK1, RSK2, and RSK3 genes in various human tissues, during mouse embryogenesis, and in mouse brain (2). RSKs are implicated in the activation of the mitogen-activated kinase (MAPK) cascade and the stimulation of cell proliferation and differentiation (3).

RSK1, Active recombinant protein - References

Moller D.E.,et al.Am. J. Physiol. 266:C351-C359(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Deak M.,et al.EMBO J. 17:4426-4441(1998).