

## Recombinant Human RPS6KA1/RSK1 GST Active

<b>Catalog No.</b>	CRR105A	<b>Quantity:</b>	5 µg
	CRR105B		10 µg

**Description:** Recombinant full-length human RSK1 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.

RSK1 is a member of the RSK (ribosomal S6 kinase) family that are growth factor-regulated serine/threonine kinases. RSK1 contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signaling pathway. RSK1 encodes a predicted 735-amino acid protein containing 2 distinct consensus ATP-binding site sequences. RSK1 transcript is present in lymphocytes, skeletal muscle, liver and adipose tissue. RSKs are implicated in the activation of the mitogen-activated kinase (MAPK) cascade and the stimulation of cell proliferation and differentiation.

**Concentration:** 0.1 mg/ml

**Protein Accession No:** NM\_002953

**Source:** Sf9 insect cells

**Formulation:** Recombinant protein stored in 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.

**Purity:** >90% as determined by densitometry.

**Specific Activity:** The specific activity of RSK1 was determined to be 175 nmol/min/mg.

**Storage & Stability:** **Product shipped on dry ice.** Store product frozen at or below -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at -70°C. **Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

