

RSK3 Protein, Human (sf9, GST)

Cat. No.:	HY-P76011
Synonyms:	Ribosomal protein S6 kinase alpha-2; S6K-alpha-2; p90-RSK 2; RSK-3; RPS6KA2; MAPKAPK1C
Species:	Human
Source:	Sf9 insect cells
Accession:	Q15349 (M1-L733)
Gene ID:	6196
Molecular Weight:	Approximately 110 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.0, 20 mM GSH.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	RSK3, a serine/threonine-protein kinase, operates downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling, playing a crucial role in mediating mitogenic and stress-induced activation of transcription factors. Its involvement extends to the regulation of translation and mediation of cellular processes such as proliferation, survival, and differentiation. Notably, in epithelial ovarian cancer cells, RSK3 may function as a tumor suppressor, further emphasizing its diverse roles in cellular homeostasis and potential implications in cancer biology.
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Caution: Product has not been fully validated for medical applications. For research use only.

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