

RPS6KA4/RSK4 active protein

Recombinant RPS6KA4/RSK4 protein

CATALOG # AAA60317	HOST Baculovirus
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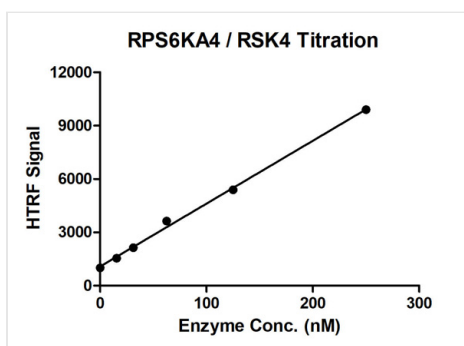
PRODUCT SYNONYMS

RPS6KA4/RSK4; Recombinant RPS6KA4/RSK4 protein; Robosomal Protein S6 Kinase A4; RPS6KA4/RSK4 active protein

PRODUCT SPECIFICATIONS

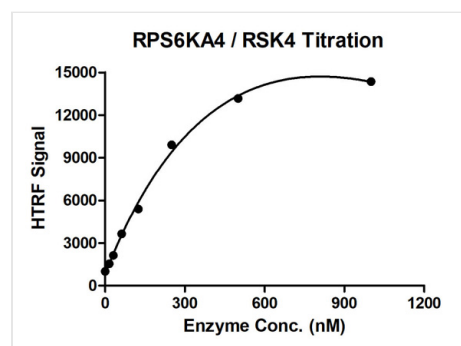
Host	Baculovirus
Purity/Purification	>50%
Form/Format	Recombinant RPS6KA4/RSK4 protein is supplied in 25 mM HEPESNaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant RPS6KA4/RSK4 protein was expressed in baculovirus expression system as the full length protein (accession number NP_003933.1) with a N-terminal DYKDDDDK tag. The molecular weight of the protein is 86.9 kDa.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



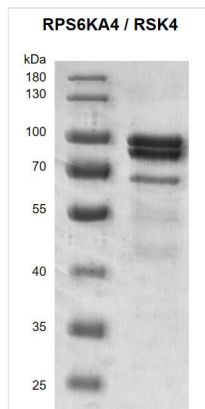
Bioactivity

HTRF assay for RPS6KA4/RSK4 activity 1 μ M STK S3 substrate was incubated with different concentrations of RPS6KA4/RSK4 protein in 10 μ l reaction system containing 1 $\times$ Enzymatic Buffer, 10 mM MgCl₂, 1 mM DTT, and 100 μ M ATP for 1 hour. The detection reagents were added and incubated with the reactions for 30 min. All operations and reactions were performed at room temperature, and HTRF assay was used to detect the enzymatic activity.



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SDS-PAGE

Recombinant PRDM4 protein 10% SDS-PAGE Coomassie staining MW: 86.9 kDa Purity: >= 50%

ADDITIONAL INFORMATION

Related Product Information for RPS6KA4/RSK4 active protein	RPS6KA4 (Ribosomal Protein S6 Kinase A4) is a serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factor RELA, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. RPS6KA4 phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin and phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and EGF, which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN.
Product Categories/Family for RPS6KA4/RSK4 active protein	Kinase; Recombinant Proteins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/rps6ka4-rsk4/60317>