

RPS6KA2/RSK3 active protein

Recombinant RPS6KA2/RSK3 protein

CATALOG #
AAA60321

HOST
Baculovirus

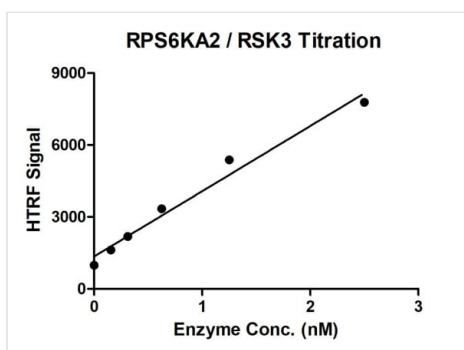
PRODUCT SYNONYMS

RPS6KA2/RSK3; Recombinant RPS6KA2/RSK3 protein; ribosomal S6 kinase; RPS6KA2/RSK3 active protein

PRODUCT SPECIFICATIONS

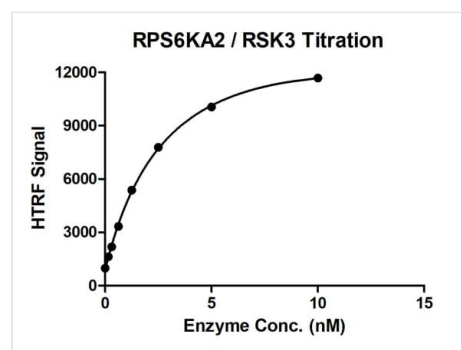
Host	Baculovirus
Purity/Purification	>=90%
Form/Format	Recombinant RPS6KA2/RSK3 protein is supplied at a concentration in 25 mM HEPES, NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant RPS6KA2/RSK3 protein was expressed in baculovirus expression system as the full-length protein (accession number NP_066958.2) with a N-terminal DYKDDDDK tag. The molecular weight of the protein is 84.5 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



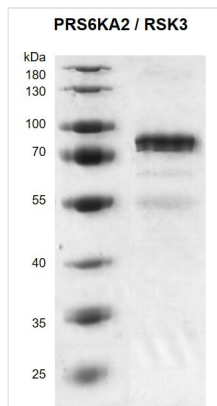
Bioactivity

HTRF assay for RPS6KA2/RSK3 protein activity 1 μ M STK S1 substrate was incubated with different concentrations of RPS6KA2/RSK3 protein in a 10 μ l reaction system containing 1 $\times$ Enzymatic Buffer, 5 mM MgCl₂, 1 mM DTT, and 100 μ M ATP for 1 hour. The 10 μ l detection reagents containing anti-STK antibody (1:2) and SA-XL665 (1:100) diluted with 1 $\times$ Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant RPS6KA2/RSK3 protein 10% SDS-PAGE Coomassie staining MW: 84.5 kDa
Purity: >= 90%

ADDITIONAL INFORMATION

Related Product Information for RPS6KA2/RSK3 active protein	RPS6KA2 is a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. RPS6KA2 acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. Diseases associated with RPS6KA2 include Coffin-Lowry Syndrome and Dyskeratosis Congenita, Autosomal Dominant 3.
Product Categories/Family for RPS6KA2/RSK3 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://www.aaabiotech.com/baculovirus-active-protein/rps6ka2-rsk3/60321>