p70 S6 kinase (human), (recombinant)

p70 S6K was first identified as the kinase responsible for the phosphorylation of the S6 ribosomal protein. Research has raised the possibility that S6K might, in fact, be the rapamycin-sensitive effector responsible for directly phosphorylating IRS-1 and thereby inhibiting PI 3-kinase activation. Another study suggests that S6K1 activation may mediate some of the effects of a high-fat diet on inhibiting the insulin-PI 3-kinase signaling pathway3. This makes S6K1 a promising new therapeutic target in the fight against type 2 diabetes.

Ordering Information

Order Online »

BML-SE345-0005	5µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Long Term Storage -80°C

Shipping Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Alternative Name	p70 S6K
Application Notes	Useful for Useful for kinetic and functional studies, phosphorylation of target substrates, drug screening.
Formulation	Liquid. In 50mM sodium phosphate, pH 7.0, containing 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, and 25% glycerol.
MW	71 kDa
Source	Produced in insect cells. Active, full length p70 S6K. Produced in a baculovirus expression system.
Technical Info / Product Notes	Replacement for **ADI-PPK-439**
UniProt ID	P23443 (S6K1), Q9UBS0 (S6K2)

Last modified: May 29, 2024

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