

RCK Protein, Human (His)

Cat. No.:	HY-P701764
Synonyms:	MAP3K19; Mitogen-activated protein kinase kinase kinase 19; Regulated in COPD; protein kinase; SPS1/STE20-related protein kinase YSK4
Species:	Human
Source:	E. coli
Accession:	Q56UN5 (Q1024-H1328)
Gene ID:	80122
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
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	<p>MAP3K19 can directly activate the ERK and JNK pathways and plays an important role in maintaining the survival of KRAS mutant lung cancer cells^[1].</p> <p>MAP3K19 plays a role in regulating TGF-β-induced Smad signaling and gene expression^[2].</p> <p>MAP3K19 can inhibit airway epithelial responses stimulated by TWEAK, including the attenuation of adhesion factors and the production of RANTES, and suppress allergic airway inflammation in a mouse model of asthma, suggesting that MAP3K19 regulates allergic airway inflammation in patients with asthma^[3].</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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