

RPCB0132

Product Information

Product SKU:	RPCB0132	Gene ID:	5594	Size:	10µg
Tag:	N-GST	Reactivity:	Human		

Additional Information

Expression Host:	E. coli	Swissprot:	P28482
Purity:	> 70% by SDS-PAGE.		

Protein Information

Background: ERK2 is a protein serine/threonine kinase, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human ERK2/MAPK1 Protein , tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: Please contact us for more information.

Formulation: Supplied in 50mM Tris, 150mM NaCl, 0.1mM EDTA, 0.25mM DTT, 0.1mM AEBSF , 25% glycerol, 10mM GSH, pH 8.0. Contact us for customized product form or formulation.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

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Storage:

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.