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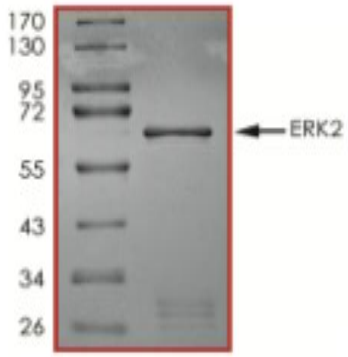
MAPK1
Recombinant Human ERK2 GST Tag, Inactive

Catalog No.	CRE136B CRE136C	**Quantity:**	20 µg 50 µg
Alternate Names:	Mitogen-activated protein kinase 1, MAP kinase 1, MAPK 1, ERT1, Extracellular signal-regulated kinase 2, ERK-2, MAP kinase isoform p42, p42-MAPK		
Description:	Recombinant full-length human ERK2 was expressed in *E. coli* with an N-terminal GST tag. ERK2 is a protein serine/threonine kinase that is a member of the extracellular signal-regulated kinases (ERKs) which are activated in response to numerous growth factors and cytokines. Activation of ERK2 requires both tyrosine and threonine phosphorylation that is mediated by MEK. ERK2 is ubiquitously distributed in tissues with the highest expression in heart, brain and spinal cord. Activated ERK2 translocates into the nucleus where it phosphorylates various transcription factors (Elk-1, c-Myc, c-Jun, c-Fos, and C/EBP beta).		
Concentration:	0.2 mg/ml		
UniProt ID:	P28482		
Source:	*E. coli*		
Molecular Weight:	68 kDa		
Formulation:	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol		
Purity:	>90% by SDS-PAGE densitometry		
Storage & Stability:	Product is shipped on dry ice. Stable, as supplied, for up to 1 year at -80°C. Briefly centrifuge the vial, aliquot and store at -80°C. **Avoid repeated handling and multiple freeze/thawing cycles.**		

The purity of ERK2 was determined to be >90% by densitometry, approx. MW 68 kDa.



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