

MAPK1

Recombinant Human MAPK-1 Active

Catalog No.	CRH016A CRH016B CRH016C	Quantity:	1 µg 5 µg 100 µg
Alternate Names:	ERK, ERK-2, ERK2, ERT1, MAPK2, P42MAPK, PRKM1, PRKM2, p38, p40, p41, p41mapk, p42-MAPK		
Description:	<p>MAP kinases, 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.</p> <p>Recombinant Human MAPK-1 is a highly active non-glycosylated polypeptide chain containing an amino terminal polyhistidine tag.</p>		
Gene ID:	5594		
Source:	<i>E. coli</i>		
Molecular Weight:	44.6 kD		
Formulation:	Sterile filtered clear solution containing 50 mM Tris-HCl + 150 mM NaCl + 1 mM DTT + 50% glycerol, pH 8.5.		
Purity:	>95.0% as determined by SDS-PAGE.		
Specific Activity:	470,000 Units/mg		
Unit Definition:	1 U = 1 pmol/min transferred to myelin basic protein at 30°C.		
Storage & Stability:	Store at 4°C if entire vial will be used within 2-4 weeks. Store at -20°C to -80°C for longer periods of time. Avoid repeated freeze-thaw cycles.		

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