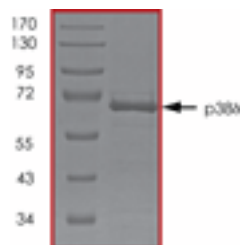


MAPK13

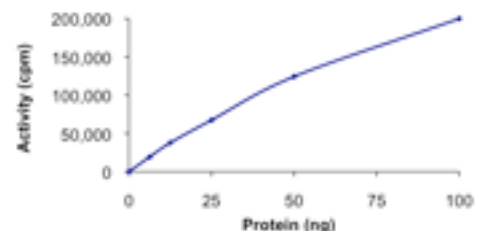
Recombinant Human MAPK13/p38 delta, Active

Catalog No.	CRP102A CRP102B	Quantity:	5 µg 10 µg
Alternate Names:	Mitogen-Activated Protein Kinase 13, MAP kinase 13, p38 delta, Stress-activated protein kinase 4		
Description:	MAPK13 is a member of the p38 MAPK family and is activated by chemical and environmental stresses as well as by proinflammatory cytokines. MAPK13 has a TGY dual phosphorylation motif and is activated in response to cellular stresses and proinflammatory cytokines. MAP kinase kinases 3 and 6 can phosphorylate and activate this kinase. Transcription factor ATF2 and microtubule dynamics regulator stathmin have been shown to be the substrates of this kinase.		
UniProt ID:	O15264		
Gene ID:	5603		
Tag:	N-terminal GST		
Concentration:	0.1 mg/ml		
Source:	Sf9 insect cells using baculovirus		
Molecular Weight:	~ 71 kDa		
Formulation:	50 mM Tris-HCl, 150 mM NaCl, 10 mM glutathione, 0.25 mM DTT, 0.1 mM EDTA, 0.1 mM PMSF, 25% Glycerol, pH 7.5		
Purity:	> 90% by SDS-PAGE (Coomassie)		
Specific Activity:	> 100 nmol/min/mg., by Kinase Specific Activity: nmol phosphate incorporated into the PKB-sub peptide (CKRPRAASFAE) per minute per mg protein at 30°C for 15 minutes using a final concentration of 50 µM ATP (0.83 µCi/assay).		
Storage & Stability:	Stable as supplied for up to 1 year at -80°C. It is recommended to prepare working aliquots and store at -80°C. Avoid repeat freeze/thaw cycles.		

Sample Purity Data



Sample Kinase Activity Plot



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

