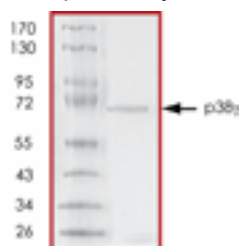


MAPK12

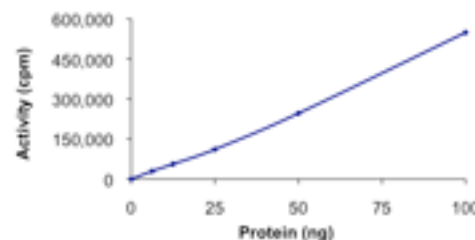
Recombinant Human MAPK12/p38 gamma, Active

Catalog No.	CRP103A CRP103B	Quantity:	5 µg 10 µg
Alternate Names:	Mitogen-activated protein kinase 12, MAP kinase 12, MAP kinase p38gamma, Stress-activated protein kinase 3, Extracellular signal-regulated kinase 6, ERK-6		
Description:	MAPK12 is a member of the p38 MAPK family which is activated in response to stress. MAPK12 gene was mapped to 22q13.3 and functions as a signal transducer during differentiation of myoblasts to myotubes. Enforced localization of MAPK12 in the nucleus or cytoplasm markedly attenuates the ability of the kinase to induce cell cycle arrest in fibroblasts. MAPK12 increases basal glucose uptake and decreases DNP- and contraction-stimulated glucose uptake, partially by affecting levels of glucose transporter expression in skeletal muscle.		
UniProt ID:	P53778		
Gene ID:	6300		
Tag:	N-terminal GST		
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)		
Concentration:	0.1 mg/ml		
Specific Activity:	> 200 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 Plot



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



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