

## MAPK10

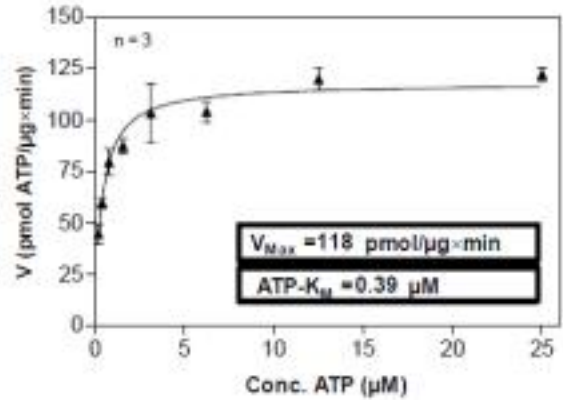
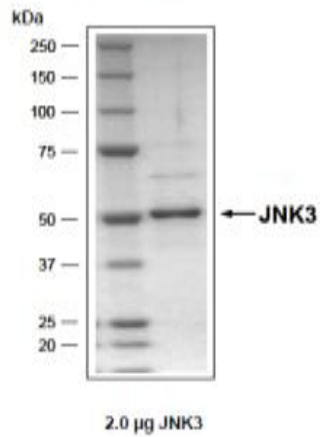
### Recombinant Human MAPK10 Active GST-His

<b>Catalog No.</b>	CRJ006	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	MAPK10, JNK3A, p54bSAPK, PRKM10		
<b>Description:</b>	Human JNK3, full length, amino acids M <sub>1</sub> -R <sub>426</sub> (as in GenBank entry NM_138980)*, activated, untagged, expressed in <i>E. coli</i> <b>*Sequence may contain documented polymorphisms</b> <b>Detailed sequence on request</b>		
<b>Concentration:</b>	0.211 µg/µl		
<b>Gene ID:</b>	5602		
<b>Protein Accession No:</b>	NM_138980		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Theoretical MW <sub>Fusion Protein</sub> : 48,060 Da		
<b>Formulation:</b>	50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT, 20% glycerol		
<b>Purification:</b>	Immobilized Metal Affinity Chromatography		
<b>Product Identity:</b>	JNK3 was confirmed as JNK3 by mass spectroscopy LC-ESI-MS/MS		
<b>Specific Activity:</b>	118 pmol/µg×min		
	Method for determination of Km value and specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl <sub>2</sub> 3 mM MnCl <sub>2</sub> 3 µM Na-orthovanadate 1.2 mM DTT 50 µg / ml PEG <sub>20,000</sub> ATP (variable) Substrate: rec. ATF2, 60 µg / ml JNK3: 400 ng / ml • Filter binding assay MSFC membrane (Millipore)		
<b>Activation:</b>	with MKK7 / MEKK2		
<b>Storage &amp; Stability:</b>	Store in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		



## Determination of $K_m$ value for ATP:

### Coomassie stain:



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