

## NLK

### Recombinant Human Nemo-like Kinase Active GST-His

<b>Catalog No.</b>	CRN004	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	DKFZp761G1211, FLJ21033, nemo like kinase		
<b>Description:</b>	Human NLK - Amino acids M <sub>1</sub> -E <sub>515</sub> (as in GenBank entry NM_016231)*, N-terminally fused to GST-HIS6-Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
<b>Concentration:</b>	0.106 µg/µl		
<b>Gene ID:</b>	51701		
<b>Protein Accession No:</b>	NM_016231		
<b>Source:</b>	Baculovirus infected Sf9 cells		
<b>Molecular Weight:</b>	Theoretical MW <sub>Fusion Protein</sub> : 91,818 Da		
<b>Formulation:</b>	50 mM Tris-HCl + pH 8.0 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol		
<b>Purification:</b>	One-step affinity purification using GSH-agarose		
<b>Specific Activity:</b>	Specific activity: 10 pmol/µg×min  Method for determination of K <sub>m</sub> 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 2.5 µg / 50 µl PEG <sub>20,000</sub> ATP (variable) Substrate: Rb-CTF, 2.5 µg / 50 µl Recombinant NLK: 50 ng / 50 µl • Filter binding assay MAFC membrane (Millipore)		

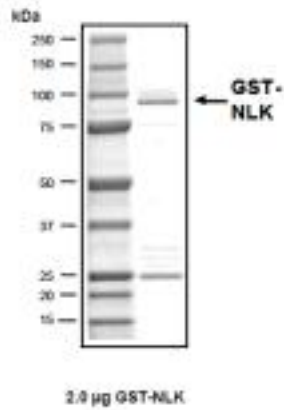


## Storage & Stability:

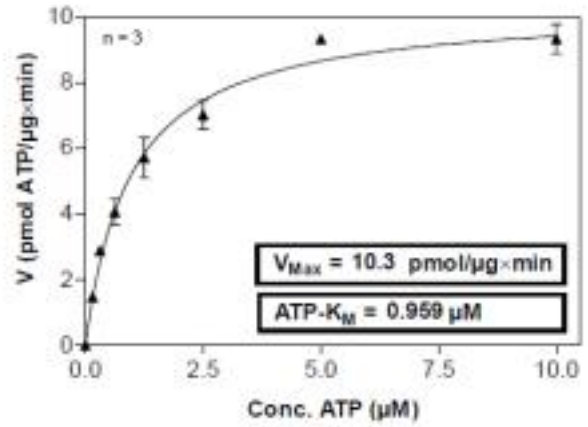
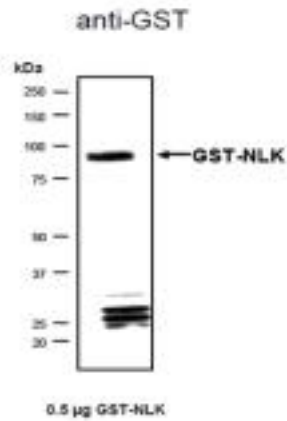
Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of  $K_m$  value for ATP:

### Coomassie stain:



### Western blot analysis:



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