

## PIM1

### Recombinant Human PIM-1 Oncogene His-Tagged

<b>Catalog No.</b>	CS111017	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	PIM		
<b>Gene ID:</b>	5292		
<b>Protein Accession No:</b>	NP_002639		
<b>Description:</b>	Recombinant Human full length protein, Histidine-tagged, expressed in insect cells. No special measures were taken to activate this kinase.		
<b>Concentration:</b>	0.18 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard.		
<b>Source:</b>	Insect cells		
<b>Molecular Weight:</b>	40.7 kDa		
<b>Formulation:</b>	Liquid in 50 mM Tris, pH 7.5 + 500 mM NaCl + 0.5 mM EDTA + 0.05% Triton X-100 + 2 mM DTT + 50% glycerol		
<b>Purity:</b>	90% as determined by a Coomassie blue-stained SDS-PAGE gel.		
<b>Mass Spectrometry:</b>	The protein was digested with trypsin followed by LC-MS/MS. The resulting MS/MS data verified PIM1 identity from 8 peptides that covered 13% of the amino acid sequence of the recombinant protein.		
<b>Assay Conditions:</b>	The enzyme was pre-diluted in enzyme dilution buffer and assayed in 50 mM Tris (pH 7.5), 10 mM MgCl <sub>2</sub> , 2 mM DTT, 0.025% Triton® X-100, 200 µM ATP, 100 µM PIM1 peptide substrate and trace [32P]-γ-ATP for 10 minutes at 30°C.		
<b>Specific Activity:</b>	8680 nmole of phosphate transferred to PIM1 peptide substrate (AKKRRLSA) per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 0.083 µg/mL.		
<b>Dilution Buffer:</b>	20 mM Tris (pH 7.5), 0.05% Triton® X-100, 0.1 mg/mL BSA, 0.5 mM Na <sub>3</sub> VO <sub>4</sub> , 2 mM DTT, 10% Glycerol		
<b>Storage Buffer:</b>	50 mM Tris (pH 7.5), 500 mM NaCl, 0.5 mM EDTA, 0.05% Triton® X-100, 2 mM DTT, 50% Glycerol		
<b>Storage &amp; Stability:</b>			

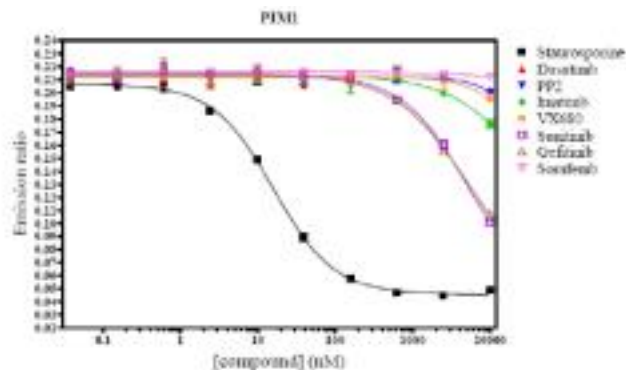
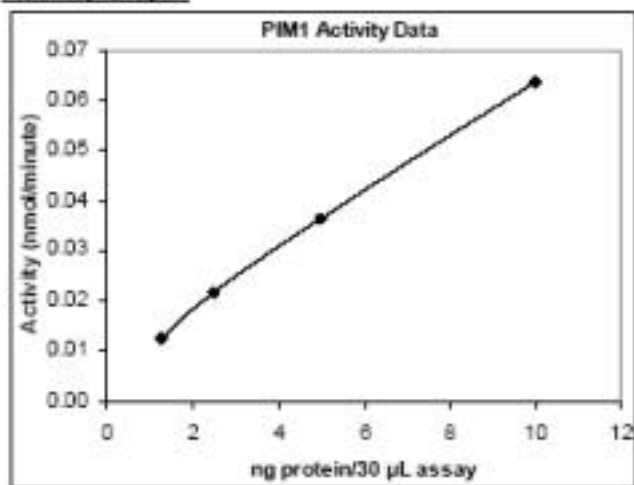


Store at -80°C. At first use, aliquot and store at -80°C to avoid multiple freeze-thaws. If properly stored at -80°C, this product is stable for 6 months from date of purchase. This protein comes out of solution at low salt concentrations.

**Avoid repeated freeze-thaw cycles.**

Data below representative of this product, but are not lot specific.

## Activity Graph:



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