

## Recombinant Human JAK2 (aa 808-end) with His Tag Active

<b>Catalog No.</b>	PTP068	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	Janus Kinase 2, Fd17, Tyrosine-protein kinase JAK2		
<b>Description:</b>	Recombinant Human Janus Kinase 2, containing amino acids 808-end, with N-terminal His Tag.		
<b>Concentration:</b>	0.25 mg/ml		
<b>Gene ID:</b>	3717		
<b>Protein Accession No:</b>	NM_004972		
<b>Source:</b>	Baculovirus infected Sf9 cells		
<b>Molecular Weight:</b>	42.5 kDa		
<b>Formulation:</b>	Liquid in 25 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 0.05% Tween-20 + 50% glycerol + 3 mM DTT		
<b>Purity:</b>	> 60% as determined by SDS-PAGE analysis		
<b>Specific Activity:</b>	4 U/µg. One unit is defined as the amount of enzyme that will phosphorylate 1 nmol of tyrosine substrate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4 + 3 mM MgCl <sub>2</sub> + 3 mM MnCl <sub>2</sub> + 1 mM DTT + 3 µM Na-orthovanadate + 0.5 mM ATP + 30 µg/ml Poly (Glu:Tyr) 4:1 substrate + 4 µg/ml recombinant JAK2.		
<b>Applications:</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.		
<b>Storage &amp; Stability:</b>	Stable for 6 months in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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

