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# **Product Information**

# **BTN-JAK1**

Product Number: 08-444-20N

#### **Product description**

Human JAK1, catalytic domain [850-1154(end) amino acids of accession number NP\_002218.2] was expressed as N-terminal DYKDDDDK tagged, biotinylated protein (39 kDa) using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose.

# Storage buffer:

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

### Storage and Handling:

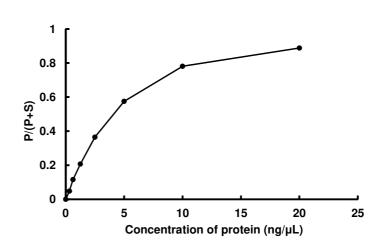
Store at -80C. Avoid repeating freeze-thaws.

#### **SDS-PAGE**

#### (kDa) 250 – 150 – 100 – 75 – 25 – 20 – 25 – 20 – 25 – 20 – 21 – 21 – 22 – 23 – 24 – 25 – 26 – 27 – 28 – 29 – 20 – 21 – 22 – 23 – 24 – 25 – 26 – 27 – 28 – 28 – 29 – 20

Purity: 80 %
The purity was assessed by SDS-PAGE/CBB staining.

# **Activity data**



The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorecence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.

Substrate: JAK1 substrate peptide

ATP:  $100 \mu M$