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# **Product Information**

# **BTN-ITK**

Product Number: 08-481-20N

## **Product description**

Full-length human ITK [2-620(end) amino acids of accession number NP\_005537.3] was expressed as N-terminal DYKDDDK tagged, biotinylated protein (75 kDa) using baculovirus expression system. The protein was purified by using DYKDDDK tag antibody agarose and activated with ATP. Activated protein was purified by using gel filtration.

# Storage buffer:

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

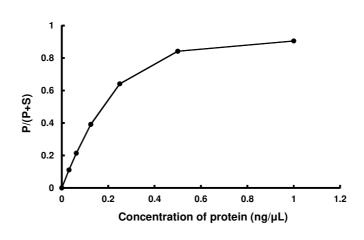
## Storage and Handling:

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

### SDS-PAGE

#### (kDa) 250 – 021 001 – 021 002 – 031 003 – 031 004 – 031 005 – 031 006 – 031 007 – 031 008

# **Activity data**



Purity: 85 %
The purity was assessed by SDS-PAGE/CBB staining.

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 : Srctide

ATP:  $100 \mu M$