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# **Product Information**

# BTN-BTK[T474I][non-activated]

Product Number: 08-419-23N

### **Product description**

Full-length human BTK [2-659(end) amino acids and T474I of accession number NP\_000052.1] was expressed as N-terminal DYKDDDK tagged, biotinylated protein (80 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.

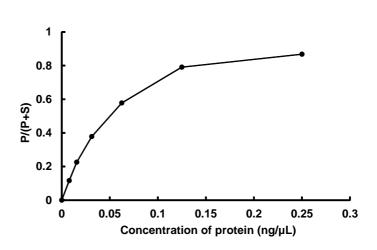
### **SDS-PAGE**

# MW Marker | 001 | 002 | 003 | 004 | 004 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 | 005 |

# Purity: 97 % 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: Srctide

ATP:  $100 \text{ }_{\text{uM}}$