# Rat TrkA/NTRK1 (His Tag) recombinant protein

Catalog Number: 504768



# **General Information**

### **Protein Construction**

A DNA sequence encoding the rat NTRK1 (Met1-Pro418) was expressed with a polyhistidine tag at the C-terminus.

# Organism

Rat

## **Expression Host**

**Human Cells** 

# **QC Testing**

# Activity

Measured by its ability to inhibit NGF-induced proliferation of TF-1 human erythroleukemic cells. The ED $_{50}$  for this effect is typically 0.2-0.8 µg/mL in the presence of 10 ng/mL of recombinant mouse NGF.

### **Purity**

> 95 % as determined by SDS-PAGE

### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

### **Predicted N terminal**

Ala 33

### **Molecular Mass**

The recombinant rat NTRK1 comprises 397 amino acids and predicts a molecular mass of 43.7 kDa. The apparent molecular mass of the recombinant protein is approximately 67-77 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

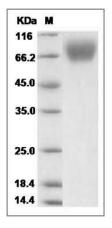
## Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## **SDS-PAGE**



Rat TrkA / NTRK1 Protein (His Tag) SDS-PAGE