

## NTRK2 Human , HEK

*Neurotrophic Receptor Tyrosine Kinase 2, HEK Human Recombinant*

CYK0490

### Product Overview

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Name</b>               | NTRK2 Human , HEK                                                 |
| <b>Accession(Primary)</b> | Q16620                                                            |
| <b>Description</b>        | Neurotrophic Receptor Tyrosine Kinase 2, HEK<br>Human Recombinant |

### Target information (Q16620)

#### Gene Name

#### About Gene Symbol

#### Background

NTRK2, also known as TrkB, is a high-affinity receptor for BDNF and other neurotrophins such as neurotrophin-4 (NT-4) and neurotrophin-3 (NT-3). It plays a crucial role in the development, function, and plasticity of the nervous system. Dysregulation of NTRK2 signaling is associated with various neurological disorders, including neurodegenerative diseases, psychiatric disorders, and cancers. NTRK2 has been developed to facilitate research into its biological functions and potential therapeutic applications. This paper provides a comprehensive overview of the scientific research on recombinant human NTRK2, focusing on its biological functionality, detailed description, and physical properties. NTRK2 is critical for synaptic plasticity, which underlies learning and memory. Research with rhNTRK2 has demonstrated that BDNF-NTRK2 signaling enhances synaptic strength and facilitates long-term potentiation (LTP) in hippocampal neuron.