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Human CellExp NTRK2 /TRKB, human recombinant protein

NTRK2, TRKB, GP145-TrkB.
Catalog # PBV11089r

Specification

Human CellExp NTRK2 /TRKB, human recombinant protein - Product info

Primary Accession	Q16620
Calculated MW	**This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 45 kDa. The predicted N-terminus is Cys 32. DTT-reduced Protein migrates as 60-90 kDa due to glycosylation. KDa**

Human CellExp NTRK2 /TRKB, human recombinant protein - Additional Info

Gene ID	**4915**
Gene Symbol	**NTRK2**

Other Names
NTRK2, TRKB, GP145-TrkB.

Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**Measured by its ability to bind mouse BDNF in functional ELISA.**

Target/Specificity
NTRK2 /TRKB

Application Notes
Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH 7.0. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp NTRK2 /TRKB, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp NTRK2 /TRKB, human recombinant protein - Images

Human CellExp NTRK2 /TRKB, human recombinant protein - Background

Neurotrophic tyrosine kinase receptor type 2 (NTRK2) also known as BDNF/NT-3 growth factors receptor, Tropomyosin-related kinase B (TRKB) and TrkB tyrosine kinase, which belongs to the protein kinase superfamily or Tyr protein kinase family. Insulin receptor subfamily. NTRK2 / TrkB contains two Ig-like C2-type (immunoglobulin-like) domains, two LRR (leucine-rich) repeats, one LRRCT domain, one LRRNT domain, one protein kinase domain. NTRK2 / Trk-B is expressed in the central and peripheral nervous system. The catalytic activity of NTRK2 is “ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate”. NTRK2 / TrkB involved in the development and the maturation of the central and the peripheral nervous systems through regulation of neuron survival, proliferation, migration, differentiation, and synapse formation and plasticity.

Human CellExp NTRK2 /TRKB, human recombinant protein - References

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