

Human CellExp NTRK2 /TRKB, human recombinant protein
NTRK2, TRKB, GP145-TrkB.
Catalog # PBV11089r**Specification**

Human CellExp NTRK2 /TRKB, human recombinant protein - Product infoPrimary Accession
Calculated MW[Q16620](#)

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 InfoGene ID
Gene Symbol
Other Names
NTRK2, TRKB, GP145-TrkB.**4915**
NTRK2Gene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results**Human**
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
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 Cytometry](#)
- [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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Shelton D.L.,et al.J. Neurosci. 15:477-491(1995).
Allen S.J.,et al.Neuroscience 60:825-834(1994).
Stoilov P.,et al.Biochem. Biophys. Res. Commun. 290:1054-1065(2002).
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