

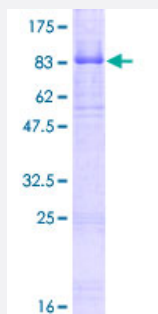
Full-Length

NTRK2 (Human) Recombinant Protein (P01)

Catalog # H00004915-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NTRK2 full-length ORF (AAH31835, 1 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSWIRWHGPAMARLWGFCWL VVGFWRAAFACPTSCCKCSASRWCSDPSPGVAFPRLEPNS
VDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTVDSGLKFVAHKAFLKNSNLQHINFTRNKLTSLSR
KHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAKSSPD TQDLYCLNESSKNIPLANLQIPNCGLPSA
NLAAPNLVVEEGKSITLSCSVAGDPVPNMYWDVGNLVSKHMNETSHTQGSLRITNISSDDSGKQIS
CVAENLVGEDQDSVNLTVHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYIC
TKIHVTNHTEYHGCLQLDNPTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIY
EDYGTAANDIGD TTNRSEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLARHSKFG
MKGFVLFHKIPLDG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

78.21

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NTRK2

Entrez GeneID[4915](#)**GeneBank Accession#**[BC031835](#)**Protein Accession#**[AAH31835](#)**Gene Name**

NTRK2

Gene Alias

GP145-TrkB, TRKB

Gene Description

neurotrophic tyrosine kinase, receptor, type 2

Omim ID[600456](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

BDNF/NT-3 growth factors receptor|OTTHUMP00000021573|OTTHUMP00000021574|OTTHUMP00000021575|OTTHUMP00000021576|OTTHUMP00000021577|tyrosine kinase receptor B

Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Mood Disorders](#)

- [Obsessive-Compulsive Disorder](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)