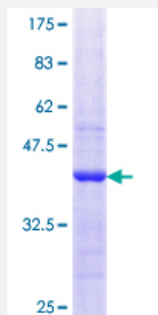


NTRK2 (Human) Recombinant Protein (Q01)

Catalog # H00004915-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NTRK2 partial ORF (AAH31835.1, 41 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SRWCSDPSPGVAFPRLPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTVDSGLKFVAHK AFLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.83
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# [AAH31835.1](#)

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](#)