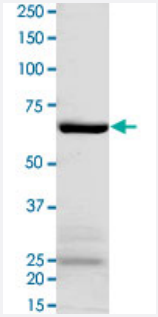
Bioactive

NTRK2 (Human) Recombinant Protein

Catalog # P4786 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human NTRK2 (NM_006180.3, 526 a.a. - 838 a.a.) partial Recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	66.818
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST-Affinity Chromatography
Concentration	0.133 ug/uL

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Activity	140 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5 (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — NTRK2

Entrez GeneID	4915
Protein Accession#	NM_006180.3
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

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- 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

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- Schizophrenia
- Schizophrenic Psychology
- Sleep Disorders
- Social Perception
- Stress Disorders
- Tobacco Use Disorder
- Weight Gain

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