NTRK2 (Human) Recombinant Protein

Catalog # P8982 Size 2 x 10 ug

Specification

Product Description	Human NTRK2 (Q16620, 32 a.a. - 430 a.a.) partial-length recombinant protein with His tag at C-Ter minus expressed in *Baculovirus*.
Sequence	CPTSCKCSASRIWCSDPSPGIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIV DSGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPFTCSCDIMWIKTLQEAK SSPDTQDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLTVEEGKSITLSCSVAGDPVPNMYWD VGNLVSKHMNETSHTQGSLRITNISSDDSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTS DHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYHGCLQLDNPTHMNNGDYTLIAK NEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDYGTAANDIGDTTNRSNEIPSTDVTDKTGREH LEHHHHHH
Host	Nicotiana benthamiana
Theoretical MW (kDa)	45.2
Form	Liquid
Preparation Method	*Baculovirus* expression system
Purity	> 95% by SDS PAGE
Storage Buffer	10% Glycerol and Phosphate-Buffered Saline (pH 7.4).
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- SDS-PAGE

Gene Info — NTRK2

Entrez GeneID	4915

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Protein Accession#	Q16620
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

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- 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

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