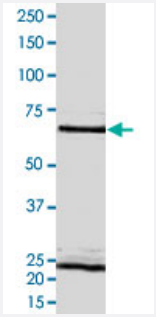
Bioactive

NTRK1 (Human) Recombinant Protein

Catalog # P4785 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human NTRK1 (NM_002529.2, 443 a.a. - 796 a.a.) partial Recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	69.726
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST-Affinity Chromatography
Activity	100 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 — NTRK1

Entrez GeneID	4914
Protein Accession#	NM_002529.2
Gene Name	NTRK1
Gene Alias	DKFZp781I14186, MTC, TRK, TRK1, TRKA, p140-TrkA
Gene Description	neurotrophic tyrosine kinase, receptor, type 1
Omim ID	155240 191315 256800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq
Other Designations	OTTHUMP00000038736|Oncogene TRK|high affinity nerve growth factor receptor|tyrosine kinase receptor A

Pathway

- Apoptosis
- Endocytosis
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Thyroid cancer

Disease

- Alzheimer disease
- Asperger Syndrome
- Autistic Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Models
- Eating Disorders
- Edema
- Genetic Predisposition to Disease
- Hereditary Sensory and Autonomic Neuropathies
- Hyperparathyroidism
- Kidney Failure
- Leukemia
- Mental Disorders
- Neuroblastoma
- Social Perception
- Thyroid Diseases
- Thyroid Neoplasms