

Product Information

MemDX™ Membrane Protein Human NTRK1 (Neurotrophic receptor tyrosine kinase 1)

Expressed in HEK293 for Antibody Discovery, Partial (34-423aa)

Cat. No.: **MPX0128K**

This product is for research use only and is not intended for diagnostic use.

This product is a 43 kDa Human NTRK1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

NTRK1

Protein Length

Partial (34-423aa)

Protein Class

Receptor

Molecular Weight

43 kDa

TMD

1

Sequence

APCPDACC PHGSSGLRC
TRD GALDSLHHLPGAENLT ELYIENQQHLQHLELRDLRGLGELRNLTIVK
SGLRFVAPDAFHFTPRLSRLNLSFNALESLSWKT VQGLSLQELVLSGNPL
HCSCALRWLQRWEEEG LGGVPEQKLQCHGQGPLAHMPNASC GVPTLKVQV
PNASVDVGDDVLLRCQVEGRGLEQAGWILTELEQSATVMKSGGLPSLGLT
LANVTSDLNRKNVTCWAENDVGRAEVSQVNVSF PASVQLHTAVEMHHWC
IPFSVDGQPAPSLRWLFNGSVLNETSFIFTEFLEPAANETVRHGCLRLNQ
PTHVNNGNYTLLAANPFGQASASIMAAFMDNPFEPEDPIPVSFSPVDT
NSTSGDPVEKKDETPFGVSVAVG

Product Description

Expression Systems

HEK293

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 1 mg/mL in PBS.

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

NTRK1

Full Name

Neurotrophic receptor tyrosine kinase 1

Introduction

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) 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, cognitive disability and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Alternative Names

NTRK1; MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA; high affinity nerve growth factor receptor; Oncogene TRK; TRK1-transforming tyrosine kinase protein; gp140trk; neurotrophic tyrosine kinase, receptor, type 1; tropomyosin-related kinase A; tyrosine kinase receptor A; Neurotrophic receptor tyrosine kinase 1

Gene ID

[4914](#)

UniProt ID

[P04629](#)