

Product Information

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

Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX4034K**

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

This product is a Human NTRK1 membrane protein expressed *in vitro* *E.coli* expression system. 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

Full Length of Mature Protein

Protein Class

Transferase

TMD

1

Sequence

AAPCPDACCPHGSSGLRCTRDLGALDSLHHLPGAENLTelyIENQQHLQHLELRDLRGLGELRNLTIVKSGLRFVAPDAFHFTPRLSP

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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](#)