

Product Information

MemDX™ Membrane Protein Human NTRK3 (Neurotrophic receptor tyrosine kinase 3) for Antibody Discovery

Cat. No.: **MP0118Q**

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

This product is a 44.7 kDa Human NTRK3 membrane protein expressed in Sf9. 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

NTRK3

Protein Length

Partial

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

44.7 kDa

TMD

1

Sequence

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCSTEINCRPPDDGNLFPPLLEGQDSGNSNGNASINITDISRNITSIHIENW

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

NTRK3

Full Name

Neurotrophic receptor tyrosine kinase 3

Introduction

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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TRKC; GP145-TrkC; gp145(trkC); NT-3 growth factor receptor; ETS related protein-neurotrophic receptor tyrosine kinase fusion protein; ETV6-NTRK3 fusion; neurotrophic tyrosine kinase, receptor, type 3; tyrosine kinase receptor C; Trk-C; TrkC tyrosine kinase

Gene ID

[4916](#)

UniProt ID

[Q16288](#)