

Product Information

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

Cat. No.: **MP1177J**

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

This product is a 64.9 kDa Human NTRK3 membrane protein expressed in HEK293T. 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

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

64.9 kDa

TMD

1

Sequence

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCSTEINCRPPDDGNLFPPLLEGQDSGNSNGNAS
INITDISRNITSIHIENWRS LHTLNAVDMELYTGLQKLTIKNSGLRSIQPRAFAKNPHRLRYINLSSNRLT
TLWQLFQTL SLRELQLEQNFFNCSCDIRWMQLWQEQGEAKLNSQNL YCINADGSQ LPLFRMNISQCDLP
EISVSHVNLT VREGDNAVITCNGSGSPLPDVDWIVTGLQSINT HQTNLNWTNVHAINLTLVNVTS EDNGF
TLTCAENVVGM SNASVALTVYYPPRVVSLEEPELRLEHCIEFVVRGNPPPTLHWLHNGQPLRESKIIHV
EYYQGEGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPFPESTDNFILFDEVSPTPPIT
VTHKPEEDTFGVSI AVGLAAAFACVLLVVL FVMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITT
PSSLDAGPDTVVIGMTRIPVIENPQYFRQGHNCHKPDTWVFSNIDNHGILNLKDNRDHLVPSTHYIYEEP
EVQSGEVSYP RSHGFREIMLNPISLPGH SKPLNHGIYVEDVNVYFSKGRHGF

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

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

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM 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)

Gene ID

[4916](#)

UniProt ID

[Q16288](#)