

Product Information

MemDX™ Membrane Protein Human NTRK3 (Neurotrophic receptor tyrosine kinase 3) Full Length

Cat. No.: **MPC1446K**

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

This product is a 94.4 kDa Human NTRK3 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

NTRK3

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

94.4 kDa

TMD

1

Sequence

MDVSLCPAKCSFWRIFLLGSVWLDYVGSVLACPANCVCCKTEINCRPDD
GNLFPLLEGQDSGNSNGNASINITDISRNITSIHIENWRS�HTLNAVDMEL
LYTGLQKLTIKNSGLRSIQPRAFAKNPHLRYINLSSNRLTTLWQLFQTL
SLRELQLEQNFFNCSDIRWMQLWQEQGEAKLNSQNLVCINADGSQPLPLF
RMNISQCDLPEISVSHVNLTVREGDNAVITCNGSGSPLPDVDWIVTGLQS
INTHQTNLWNVTNVHAINLTLVNVTSEDNGFTLTCAENVVGMNASVALT
VYYPVRVVSLEEPELRLEHCIEFVVRGNPPPTLHWLHNGQPLRESKIIHV
EYYQGEISEGCLLFNKPTHYNNNGNYTLIAKNPLGTANQTINGHFLKEPF
PESTDNFILFDEVSPTPPITVTHKPEEDTFGVSIAVGLAAAFACVLLVLF
VMINKYGRRSKFGMKGPVAVISGEEDSASPLHHINHGITTPSSLDAGPDT
VVIGMTRIPVIENPQYFRQGHNCHKPDYVQHIKRRDIVLKRELGEAFG
KVFLAECYNLSPTKDKMLVAVKALKDPTLAARKDFQREAELLTNLQHEHI
VKFYGVCGDGDPLIMVFEYMKHGDNLKFLRAHGPDAMILVDGQPRQAKGE
LGLSQMLHIASQIASGMVYLASQHFVHRDLATRNCLVGANLLVKIGDFGM
SRDVYSTDYRLFNPSGNDFCIWCEVGGHTMLPIRWMPPESSIMYRKFTTE
SDVWSFGVILWEIFTYQKQWFWLSNTEVIECITQGRVLERPRVCPKEVY
DVMLGCWQREPQQRLNIKEIYKILHALGKATPIYLDILG

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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

NTRK3; 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; Neurotrophic receptor tyrosine kinase 3

Gene ID

[4916](#)

UniProt ID

[Q16288](#)