

Product Information

MemDX™ Membrane Protein Human NTRK2 (Neurotrophic receptor tyrosine kinase 2) for Antibody Discovery

Cat. No.: **MP0917J**

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

This product is a 90.1 kDa Human NTRK2 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

NTRK2

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

90.1 kDa

TMD

1

Sequence

MSSWIRWHGPAMARLWGFCWLVVGFWRAAFACPTSCCKSASRIWCSDPSPGIVAFPRLEPNSVDPENITE
IFIANQKRLEIINEDDVEAYVGLRNLTIIVDSGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDL
SELILVGNPFTCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPSANLAAPNLTVEE
GKSITLSCSVAGDPVPNMYWDVGNLVSKHMNETSHTQGSRLRITNISSDDSGKQISCVAENLVGEDQDSVN
LTVHFAPTITFLESPTSDHHWCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVNTNHTHEYHGCLQLDN
PTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDYGTAANDIGDTTNRNEIPST
DVTDKTGREHLSVYAVVVIASVVGFCLLVMLFLLKLARHSKFGMKDFSWFGFGKVKSRRQGVGPASVISND
DDSASPLHHISNGSNTPSSSEGGPDVIGMTKIPVIENPQYFGITNSQLKPDFTVQHVKRHNIVLKREL
GEGAFGKVFLAECYNLCPEQDKILVAVKTLKDASDNARKDFHREAELLTNLQHEHIVKFYGVCEGDPLI
MVFEYMKHGDNLKFLRAHGPDVLAEGNPPTLTQSQMLHIAQQIAAGMVYLASQHFVHRDLATRNCLV
GENLLVKIGDFGMSRDVYSTDYRVGGHTMLPIRWMPPESSIMYRKFTTESDVWSLGVVLWEIFTYQKQPW
YQLSNNEVIECITQGRVLQRPRTCPQEVYELMLGCWQREPHMRKNIKIHTLLQNLAKASPVYLDILG

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**

NTRK2

Full Name

Neurotrophic receptor tyrosine kinase 2

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. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants.

Alternative Names

EIEE58; GP145-TrkB; OBHD; trk-B; TRKB

Gene ID

[4915](#)

UniProt ID

[Q16620](#)