

Product Information

MemDX™ Membrane Protein Human NTRK2 (Neurotrophic receptor tyrosine kinase 2) Full Length

Cat. No.: **MPC1323K**

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

This product is a 91.9 kDa Human NTRK2 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

NTRK2

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

91.9 kDa

TMD

1

Sequence

MSSWIRWHGPAMARLWGFCWLVVGFWRAAFACPTSCCKCSASRIWCSDPSP
GIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVD
SGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPF
TCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLP SAN
LAAPNLVVEEGKSITLSCSVAGDPVPNMYWDVGNLVSKHMNETSHTQGSL
RITNISSDDSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDDH
WCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTHEYHGCLQLDN
PTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDY
GTAANDIGDTTNRSNEIPSTDVTDKTGREHLSVYAVVVIASVVGFCLLVM
LFLKLARHSKFGMKGPASVISNDDDSASPLHHISNGSNTPPSSSEGGPDA
VIIGMTKIPVIENPQYFGITNSQLKPDFTVQHIKRHNIVLKRELGEAAG
KVFLAECYNLCPEQDKILVAVKTLKDASDNARKDFHREAELLTNLQHEHI
VKFYGVCEGDPLIMVFYMKHGDNLKFLRAHGPDAVLMAEGNPPTLTQ
SQMLHIAQQAAGMVYLASQHFVHRDLATRNCLVGENLLVKIGDFGMSRD
VYSTDYRVGGHTMLPIRWMPPEISIMYRKFTTESDVWSLGVVLWEIFTYG
KQPWYQLSNNEVIECITQGRVLQRPRTCPQEVYELMLGCWQREPHMRKNI
KGIHTLLQNLAKASPVYLDILG

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

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

NTRK2; OBHD; TRKB; DEE58; trk-B; EIEE58; GP145-TrkB; BDNF/NT-3 growth factors receptor; BDNF-tropomyosine receptor kinase B; neurotrophic tyrosine kinase receptor type 2; tropomyosin-related kinase B; tyrosine kinase receptor B; Neurotrophic receptor tyrosine kinase 2

Gene ID

[4915](#)

UniProt ID

[Q16620](#)