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Product Information

MemDX™ Membrane Protein Human NTRK2 (Neurotrophic receptor tyrosine kinase 2) Expressed in NS0 for Antibody Discovery, Partial (32-430aa)

Cat. No.: **MPX0141K**
This product is for research use only and is not intended for diagnostic use.

This product is a 71.7 kDa Human NTRK2 membrane protein expressed in NS0. 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
Partial (32-430aa)

Protein Class
Receptor

Molecular Weight
71.7 kDa

TMD
1

Sequence
CPTSCKCSASRIWCSDPSP
GIVAFPRLEPNSVDPENITEIFIANQKRLEIINEDDVEAYVGLRNLTIVD
SGLKFVAHKAFLKNSNLQHINFTRNKLTSLSRKHFRHLDLSELILVGNPF
TCSCDIMWIKTLQEAKSSPDTQDLYCLNESSKNIPLANLQIPNCGLPSAN
LAAPNLTVEEGKSITLSCSVAGDPVPNMYWDVGNLVSKHMNETSHTQGSL
RITNISSDDSGKQISCVAENLVGEDQDSVNLTVHFAPTITFLESPTSDHH
WCIPFTVKGNPKPALQWFYNGAILNESKYICTKIHVTNHTEYHGCLQLDN
PTHMNNGDYTLIAKNEYGKDEKQISAHFMGWPGIDDGANPNYPDVIYEDY
GTAANDIGDTTNRSNEIPSTDVTDKTGREH

Product Description

Expression Systems
NS0

Tag

hIgG1 Fc and 6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<1.0 EU per 1 μg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

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