

Product Information

MemDX™ Membrane Protein Human NRCAM (Neuronal cell adhesion molecule) Full Length

Cat. No.: **MPC1012K**

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

This product is a 143.8 kDa Human NRCAM 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

NRCAM

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

143.8 kDa

TMD

1

Sequence

MLKIMPKKKRLSAGRVPLILFLCQMISALEVPLDPKLLLEDLVQPPTITQ
QSPKDYIIDPRENIVIQCEAKGKPPPSFSWTRNGTHFDIDKDPLVTMKPG
TGTLIINIMSEGKAETYEYVYQCTARNERGAAVSNNIVVRPSRSPLWTK
KLEPITLQSGQSLVLP CRPPIGLPPPIIFWMDNSFQRLPQSERVSQGLNG
DLYFSNVLPEDTREDYICYARFNHTQTIQKQKQPISVKVISVDELNDTIAA
NLSDTEFYGAKSSRERPPTFLTPEGNASNKEELRGNVLSLECIAEGLPTP
IYWKEDGMLPKNRTVYKNFEKTLQIIHVSEADSGNYQCIKALGAIH
HTISVRVKAAPYWITAPQNLVLSPGEDGTLCRANGNPKPRISWLTNGVP
IEIAPDDPSRKIDGDTIIFSNVQERSSAVYQCNASNEYGYLLANAFVNV
AEPPRILTPANTLYQVIANRPALLDCAFFGSPLPTIEWFKGAKGSALHED
IYVLHENGTEIPVAQKDSTGTYTCTVARNKLGMAKNEVHLEIKDPTWIVK
QPEYAVVQSGSMVSFECKVKHDHTLSLTVLWLKDNRELPSDERFTVDKDH
LVVADVSDDDSGTYTCTVANTTLDVSASAVLSVAPTPTPAPVYDVPNPP
FDLELTDQLDKSVQLSWTPGDDNNSPITKFIIEYEDAMHKPGLWHHQTEV
SGTQTTAQLKLSPVVNYSFVRMAVNSIGKSLPSEASEQYLTASEPDKNP
TAVEGLGSEPDNLVITWKPLNGFESNGPGLQYKVSQRQKDGDEWTSVVV
ANVSKYIVSGTPTFVPYLIKVQALNDMGFAPEPAVVMGHSGEDLPMVAPG
NVRVNVVNSTLAEVHWDVPVPLKSIRGHLQGYRIYYWKTQSSSKRNRRIE
KKILTFQGSKTHGMLPGLEPFSHYTLNVRVVGKGEASPDRVFNTPEG
VPSAPSSLKIVNPTLDSLLEWDPSPHPNGILTEYTLKYQPINSTHELGP
LVDLKIPANKTRWTLKNLNFSTRYKFYFYAQTSAAGSGSQITEEAVTTVDE

AGILPPDVGAGKVQAVNPRISNLAAAAETYANISWEYEGPEHVNIFYVEY
GVAGSKEEWRKEIVNGSRFFGLKGLMPGTAYKVRVGAVGDSGFVSSSE
FETGPAMASRQVDIATQGWFIGLMCAVALLILLIVCFIRRNKGKYPV
KEKEDAHADPEIQPMKEDDGTGFEYSDAEDHKPLKKGSRTPSDRTVKED
SDDSLVDYGEVNGQFNEDGSFIGQYSGKKEKEPAEGNESSEAPSPV
NSFV

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

NRCAM

Full Name

Neuronal cell adhesion molecule

Introduction

Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. This gene is also expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms.

Alternative Names

NRCAM; NgCAM-related cell adhesion molecule; neuronal surface protein Bravo; Neuronal cell adhesion molecule

Gene ID

[4897](#)

UniProt ID

[Q92823](#)