

Product Information

MemDX™ Membrane Protein Human DDR2 (Discoidin domain receptor tyrosine kinase 2) for Antibody Discovery

Cat. No.: **MP1095J**

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

This product is a 94.3 kDa Human DDR2 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

DDR2

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

94.3 kDa

TMD

1

Sequence

MILIPRMLLVFLLLPILSSAKAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAACYGRLDSEEGDG
AWCPEIPVEPDDLKEFLQIDLHLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHGKQV
LDGNSNPYDIFLKDLEPPIVARFVRFPVTDHSMNVCMRVELYGCWLDGLVSYNAPAGQQFVLPGGSII
YLNDVYDGA VGYSMTEGLGQLTDGVSGLDDFTQTHEYHVWPGYDYVGWRNESATNGYIEIMFEFDRIRN
FTTMKVHCNNMFAKGVKIFKEVQC YFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQY
HFADTWMMFSEITFQSDAAMYNNEALPTSPMAPTTYDPMKLVDDSNTRILIGCLVAIIFILLAIIVIL
WRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMFNNNRSSSPSEQGSNSTYDRIFPLRPDYQEPSRLIRK
LPEFAPGEEESGCSGVVKPVQPSGPEGVPHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPR
KLLTFKEKLGEGQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDFLKEIKIMS
RLKDPNIIHLLAVCITDDPLCMITEYMEGDLNQFLSRHEPPNSSSDVRTVSYTNLKFMATQIASGMKY
LSSLNFVHRDLATRNCLVGKNYTIKIADFGMSRNLYSGDYRYRIQGRAVLPIRWMSWESILLGKFTTASDV
WAFGVTLWETFTFCQEQPYSQLSDEQVIENTGEFFRDQGRQTYLPQPAICPDSVYKLMLSCWRRDTKNRP
SFQEIHLLLLQQGDE

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

DDR2

Full Name

Discoidin domain receptor tyrosine kinase 2

Introduction

This gene encodes a member of the discoidin domain receptor subclass of the receptor tyrosine kinase (RTKs) protein family. RTKs play a key role in the communication of cells with their microenvironment. The encoded protein is a collagen-induced receptor that activates signal transduction pathways involved in cell adhesion, proliferation, and extracellular matrix remodeling. This protein is expressed in numerous cell types and may also be involved in wound repair and regulate tumor growth and invasiveness. Mutations in this gene are the cause of short limb-hand type spondylometaphyseal dysplasia.

Alternative Names

MIG20a; NTRKR3; TKT; TYRO10; WRCN

Gene ID

[4921](#)

UniProt ID

[Q16832](#)