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Product Information

MemDX™ Membrane Protein Human DDR2 (Discoidin domain receptor tyrosine kinase 2) Expressed in NS0 for Antibody Discovery, Partial (24-399aa)

Cat. No.: **MPX0324K**
This product is for research use only and is not intended for diagnostic use.

This product is a 43.3 kDa Human DDR2 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
DDR2

Protein Length
Partial (24-399aa)

Protein Class
Transferase

Molecular Weight
43.3 kDa

TMD
1

Sequence
QVNPAICRYPLGMSGGQIPDEDITASS
QWSESTAAKYGRLDSEEGDGAWCPEIPVEPDDLKEFLQIDLHTLHFITLV
GTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHGKQVLDGNSNPYDI
FLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDGLVSYNAPAGQ
QFVLPGGSIIYLNDSVYDGAVGYSMTEGLGQLTDGVSGLDDFTQTHEYHV
WPGYDYVGWRNESATNGYIEIMFEFDRIRNFTTMKVHCNNMFAKGVKIFK
EVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQY
HFADTWMMFSEITFQSDAAMYNNSEALPTSPMAPTTYDPMLKVDDSNTR

Product Description

Expression Systems
NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 μg/mL in sterile PBS.

Endotoxin

<0.01 EU per 1 μg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

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

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 alos be involved in wound repair and regulate tumor growth and invasiveness. Mutations in this gene are the cause of short limb-hand type spondylometaepiphyseal dysplasia.

Alternative Names

DDR2; TKT; WRCN; MIG20a; NTRKR3; TYRO10; discoidin domain-containing receptor 2; CD167 antigen-like family member B; cell migration-inducing protein 20; discoidin domain receptor 2; discoidin domain receptor family, member 2; discoidin domain-containing receptor tyrosine kinase 2; hydroxyaryl-protein kinase; migration-inducing gene 16 protein; neurotrophic tyrosine kinase receptor related 3; receptor protein-tyrosine kinase TKT; tyrosine-protein kinase TYRO10; Discoidin domain receptor tyrosine kinase 2

Gene ID

4921

UniProt ID

Q16832

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