

Product Information

MemDX™ Membrane Protein Human DDR1 (Discoidin domain receptor tyrosine kinase 1) expressed in Sf9 for Antibody Discovery

Cat. No.: **MP0119Q**

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

This product is a 44 kDa Human DDR1 membrane protein expressed in Sf9. 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

DDR1

Protein Length

Partial

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

44 kDa

TMD

1

Sequence

MGPEALSSLLLLLVASGDADMKGHFDPAKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRLESSDGDGAWCPAGSVFPKEEE

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

DDR1

Full Name

Discoidin domain receptor tyrosine kinase 1

Introduction

Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to *Dictyostelium discoideum* protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Alternative Names

CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE; CD167 antigen-like family member A; PTK3A protein tyrosine kinase 3A; cell adhesion kinase; mammary carcinoma kinase 10; neuroepithelial tyrosine kinase; neurotrophic tyrosine kinase, receptor, type 4; CD167 antigen-like family member A; MCK-10; Protein-tyrosine kinase 3A; Protein-tyrosine kinase RTK-6; Tyrosine kinase DDR; Tyrosine-protein kinase CAK; Discoidin receptor tyrosine kinase; CD167a; Epithelial discoidin domain containing receptor 1; Epithelial discoidin domain receptor 1

Gene ID

[780](#)

UniProt ID

[Q08345](#)