

## Datasheet for ABIN7321078 DDR1 Protein (His tag)



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	DDR1
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDR1 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Rat DDR1 Kinase/CD167 Protein (His Tag)
Sequence:	Met1-Thr413
Characteristics:	A DNA sequence encoding the rat DDR1 (Q6MG19) (Met1-Thr413) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

#### Target Details

Target:	DDR1
Alternative Name:	DDR1 ( <a href="#">DDR1 Products</a> )
Background:	Background: Discoidin domain receptor family, member 1 (DDR1), also known as or CD167a (cluster of differentiation 167a), and Mammary carcinoma kinase 10 (MCK10), belongs to a subfamily of tyrosine kinase receptors with an extracellular domain homologous to

## Target Details

---

Dictyostellium discoideum protein discoidin 1. 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. Expression of DDR1/MCK10/CD167 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. DDR1/MCK10/CD167 plays an important role in regulating attachment to collagen, chemotaxis, proliferation, and MMP production in smooth muscle cells. DDR1 functions in a feedforward loop to increase p53 levels and at least some of its effectors. Inhibition of DDR1 function resulted in strikingly increased apoptosis of wild-type p53-containing cells in response to genotoxic stress through a caspase-dependent pathway.

Synonym: DDR1,MCK10

---

Molecular Weight: 45.3 kDa

---

UniProt: [Q6MG19](#)

---

Pathways: [RTK Signaling, Smooth Muscle Cell Migration](#)

## Application Details

---

---

Comment: 52 kDa

---

Restrictions: For Research Use only

## Handling

---

---

Format: Lyophilized

---

Reconstitution: Please refer to the printed manual for detailed information.

---

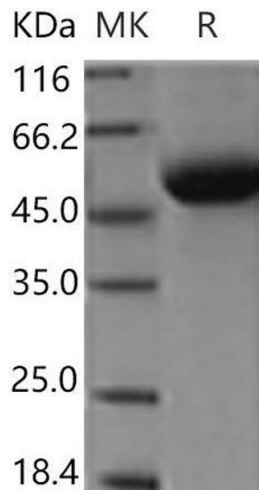
Buffer: Lyophilized from sterile PBS, pH 7.4

---

Storage: 4 °C,-20 °C,-80 °C

---

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



**Western Blotting**

**Image 1.**