Datasheet for ABIN7320132

DDR1 Protein (Fc Tag)

1 Image

Go to Product page

Overview

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

Product Details

Purpose:	Recombinant Mouse DDR1 Kinase/MCK10 Protein (Fc Tag)
Sequence:	Met 1-Thr 414
Characteristics:	A DNA sequence encoding the extracellular domain of mouse DDR1 (NP_766550.1) (Met 1-Thr 414) was fused with the Fc region of human IgG1 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 (DDR1 Products)
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

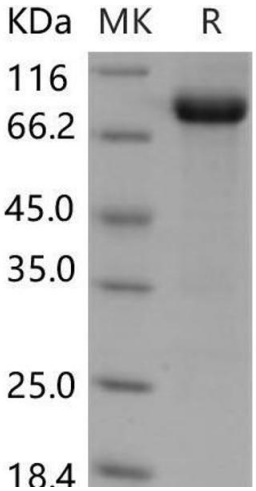
	Dictyostellium discoideum protein discoidin 1. Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. Expression of DDR1/MCK10/CD167 is restricted to epithelial cells, 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: 6030432F18,AI323681,Cak,CD167a,Nep,PTK3A
Molecular Weight:	71 kDa
NCBI Accession:	NP_766550
Pathways:	RTK Signaling, Smooth Muscle Cell Migration

Application Details

Comment:	80-90 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.