



RPCB1228

Product Information

Product SKU:	RPCB1228	Gene ID:	780	Size:	100µg
Tag:	C-His	Reactivity:	Human		

Additional Information

Expression Host:	-	Swissprot:	Q08345-1
Purity:	> 95% by SDS-PAGE.		

Protein Information

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 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.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human HGK2/DDR1/CD167a Protein , tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.

Endotoxin: <0.1EU/µg

- Formulation:** Supplied as a 0.22 µm filtered solution in PBS, pH 7.4. Contact us for customized product form or formulation.
- Storage:** Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.