

Recombinant Rhesus monkey DDR1 Protein, His-tagged

Cat. No. DDR1-1209R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus monkey DDR1 protein with a His-tag was expressed in HEK293
Species	Rhesus macaque
Source	HEK293
Description	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.
Molecular Mass	The protein has a calculated MW of 45 kDa.
AA Sequence	DMKGHFDPAKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRLESSDGDGAWCP AGSVFPKEEEYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRRWM DWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGC LWRDGLLSYTAPVGQTMYLSEAVYLNDSTYDGHTMGGGLQYGGLGQLADGVVGLDD FRKSQELRVWPGYDYVGWSNHSFSSGYVEMEFEDRLRAFQAMQVHCNNMHTLG ARLPGGVECFRRGPAMAWEGEPMRHNLGGLGDPRARAVSVPLGGRVARFLQC

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	RFLFAGPWLLFSEISFISDVVNNSSPALGGTFPPAPWWPPGPPPTNFSSLELEPRGQ QPVAKAEGSPTAILHHHHHH
Endotoxin	<1 EU/μg
Purity	>90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.98 mg/mL
Storage Buffer	PBS, pH7.4

GENE INFORMATION

Gene Name	DDR1 discoidin domain receptor tyrosine kinase 1 [<i>Macaca mulatta</i>]
Official Symbol	DDR1
Synonyms	DDR1; discoidin domain receptor tyrosine kinase 1; epithelial discoidin domain-containing receptor 1; discoidin domain receptor family, member 1;
Gene ID	714233
mRNA Refseq	NM_001114952
Protein Refseq	NP_001108424

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