

# Recombinant Rhesus monkey DDR1 Protein, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rhesus monkey DDR1 protein with a His-tag was expressed in HEK293
<b>Species</b>	Rhesus macaque
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Molecular Mass</b>	The protein has a calculated MW of 45 kDa.
<b>AA Sequence</b>	<p>DMKGFHDPKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRLESSDGDGAWCP            AGSVFPKEEEYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRWM            DWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGC            LWRDGLLSYTAPVGQTMYLSEAVYLNDSYDGHTMGGGLQYGGLGQLADGVVGLDD            FRKSQELRVWPGYDYVGVWSNHSFSSGYVEMEFEDRLRAFQAMQVHCNNMHTLG            ARLPGGVECFRRGPAMAWEGEPMRHNLGGNLGDPRARAVSVPLGGRVARFLQC</p>

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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 \[ Macaca mulatta \]](#)

**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](#)

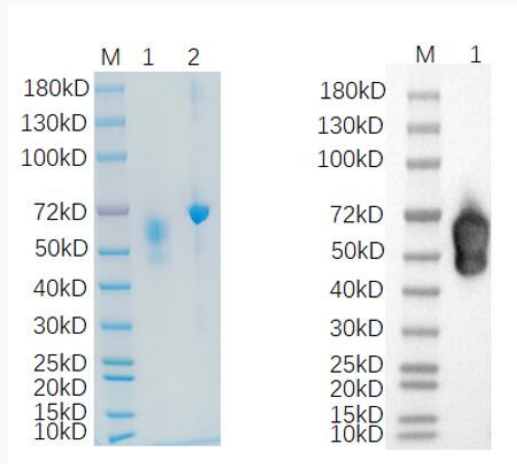
**Protein Refseq** [NP\\_001108424](#)

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**SDS-PAGE:**



Reducing 12% SDS-PAGE and WB analysis profile of purified DDR1

1. DDR1
2. BSA

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