Recombinant Cynomolgus DDR2 Protein, His-tagged

Cat. No. DDR2-118C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus DDR2 protein with a His-tag was expressed in HEK293
Species	Cynomolgus
Source	HEK293
ProteinLength	1-399 aa
Description	This gene encodes a member of the discoidin domain receptor subclass of the receptor tyrosine kinase (RTKs) protein family. RTKs play a key role in the communication of cells with their microenvironment. The encoded protein is a collagen-induced receptor that activates signal transduction pathways involved in cell adhesion, proliferation, and extracellular matrix remodeling. This protein is expressed in numerous cell types and may alos be involved in wound repair and regulate tumor growth and invasiveness. Mutations in this gene are the cause of short limb-hand type spondylometaepiphyseal dysplasia.
Molecular Mass	The protein has a calculated MW of 43 kDa.
AA Sequence	QVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAKYGRLDSEEGDGAWCPEIPVE PDDLKEFLQIDLHTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRH GKQVLDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDGLVS YNAPAGQQFVLPGGSIIYLNDSVYDGAVGYSMTEGLGQLTDGVSGLDDFTQTHEYH VWPGYDYVGWRNESATNGYIEIMFEFDRIRNFTTMKVHCNNMFAKGVKIFKEVQCY FRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQYHFADTWMMFSEI

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	TFQSDAAMYNNSGALPTSPMTPTTYDPMLKIDDSNTRHHHHHH
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	1.97 mg/mL
Storage Buffer	PBS, pH7.4

GENE INFORMATION

Gene Name	DDR2 discoidin domain receptor tyrosine kinase 2 [Macaca mulatta (Rhesus monkey)]
Official Symbol	DDR2
Synonyms	DDR2; discoidin domain receptor tyrosine kinase 2; discoidin domain-containing receptor 2; EC 2.7.10.1
Gene ID	720124
mRNA Refseq	XM_028826657
Protein Refseq	XP_028682490
UniProt ID	A0A5F8A058

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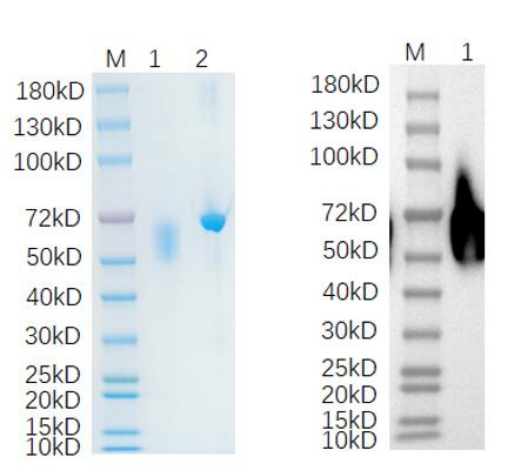
SDS-PAGE:



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

1. DDR1

2. BSA

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