

Active Recombinant Rat Ddr2 protein(Met1-Arg399), hFc-tagged

Cat. No. Ddr2-8782R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DDR2 (B1WC09) (Met1-Arg399) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Arg399
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind with Rat tail Collagen I in a functional ELISA.
Molecular Mass	The recombinant Rat DDR2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 617 amino acids and has a predicted molecular mass of 69.5 kDa. The apparent molecular mass of the protein is approximately 110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Ddr2 discoidin domain receptor tyrosine kinase 2 [Rattus norvegicus]

Official Symbol Ddr2

Synonyms

DDR2; discoidin domain receptor tyrosine kinase 2; discoidin domain-containing receptor 2; CD167b antigen; tyrosine-protein kinase TYRO 10; receptor protein-tyrosine kinase TKT; discoidin domain receptor family, member 2; neurotrophic tyrosine kinase, receptor-related 3; Tyro10;

Gene ID 685781

mRNA Refseq NM_031764

Protein Refseq NP_113952

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