

Active Recombinant Human DDR2 protein, Fc-tagged

Cat. No. DDR2-136H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human DDR2 protein(Met 1-Arg 399)(NP_001014796.1) was expressed in HEK293 with the fused Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-399 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rat tail Collagen I at 10 µg/ml can bind recombinant human DDR2-Fc Chimera with a linear range of 2.5-80 ng/ml. Scatchard analysis showed the affinity constant (Kd) of recombinant human DDR2-Fc Chimera bound to rat tail collagen I was 6.8 nM.
Molecular Mass	The recombinant human DDR2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 616 amino acids and has a calculated molecular mass of 69.4 kDa. Due to glycosylation, rhDDR2/Fc monomer migrates as an approximately 87 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 95 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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 \[Homo sapiens \]](#)

Official Symbol [DDR2](#)

Synonyms DDR2; discoidin domain receptor tyrosine kinase 2; discoidin domain receptor family, member 2 , NTRKR3, TYRO10; discoidin domain-containing receptor 2; TKT; tyrosylprotein kinase; hydroxyaryl-protein kinase; discoidin domain receptor 2; tyrosine-protein kinase TYRO10; CD167 antigen-like family member B; cell migration-inducing protein 20; migration-inducing gene 16 protein; receptor protein-tyrosine kinase TKT; discoidin domain receptor family, member 2; neurotrophic tyrosine kinase receptor related 3; neurotrophic tyrosine kinase, receptor-related 3; discoidin domain-containing receptor tyrosine kinase 2; MIG20a; NTRKR3; TYRO10;

Gene ID [4921](#)

mRNA Refseq [NM_001014796](#)

Protein Refseq [NP_001014796](#)

MIM [191311](#)

UniProt ID [Q16832](#)

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