

Recombinant Human DDR2 Protein (22-399aa), C-His tagged

Cat. No. DDR2-28310TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DDR2 (22-399aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
ProteinLength	22-399aa
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 also 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.
Form	Liquid
Molecular Mass	43.7 kDa (386aa)
AA Sequence	KAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAKYGRLDSEEGDGAWCPEIP VEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRN

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RHGKQVLDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDGL
 VSYNAPAGQQFVLPGGSIYLNDSVYDGAVGYSMTEGLGQLTDGVSGLDLDDFTQT
 THEYHVWPGYDYVGWRNESATNGYIEIMFEFDRI RNFTTMKVHCNNMFAKGVKIFKEVQ
 CYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQYHFADTWMMF
 SEITFQSDAAMYNNSALPTSPMAPTTYDPMLKVDDSNTR< LEHHHHHH>

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by absorbance at 280nm)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name **DDR2 discoidin domain receptor tyrosine kinase 2 [Homo sapiens (human)]**

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

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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

SDS-PAGE 3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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