

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	KAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAKYGRDLSEEGDGAWCPEIP VEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGGHIEFAPMYKINYSRDGTRWISWRN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RHGKQVLDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDGL
 VSYNAPAGQQFVLPGGSIYLNDSVYDGA VGYSMTEGLGQLTDGVSGLDDFTQTHE
 YHVWPGYDYVGWRNESATNGYIEIMFEFDRIRNFTTMKVHCNNMFAKGVKIFKEVQ
 CYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQYHFADTWMMF
 SEITFQSDAAMYNNSEALPTSPMAPTTYDPMLKVDDSNTR< 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



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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