

Recombinant Human DDR2 Protein, C-His-tagged

Cat. No. DDR2-107H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDR2 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The discoidin domain receptors (DDR) are receptor tyrosine kinases with a discoidin homology repeat in their extracellular domains, activated by binding to extracellular matrix collagens. So far, two mammalian DDRs have been identified: DDR1 and DDR2. They are widely expressed in human tissues and may have roles in smooth muscle cell-mediated collagen remodeling. Research studies have implicated aberrant expression and signaling of DDRs in human diseases related to increased matrix degradation and remodeling, such as cardiovascular disease, liver fibrosis, and tumor invasion. Injection of colon tumor cells into DDR2 knock out mice predisposes the hepatic stellate cells to colon tumor metastasis.
Molecular Mass	~42 kDa
AA Sequence	KAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAACYGRDLSEEGDGAWCPEIP VEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRN RHGKQVLDGNSNPYDIFLKDLEPPIVARFVRFPVTDHSMNVCMRVELYGCVWLDGL VSYNAPAGQQFVLPGGSIYLNDSVYDGAVGYSMTEGLGQLTDGVSGLDLDDFTQTHE YHVWPGYDYVGWRNESATNGYIEIMFEFDRIRNFTTMKVHCNNMFAKGVKIFKEVQ CYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQYHFADTWMMF

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	SEITFQSDAAMYNNSEALPTSPMAPTTYDPMLKVDDSNTR
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

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

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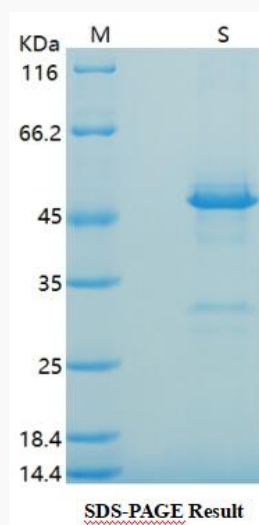
mRNA Refseq [NM_001014796](#)

Protein Refseq [NP_001014796](#)

MIM [191311](#)

UniProt ID [Q16832](#)

SDS-PAGE



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