

Recombinant Human DDR2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DDR2-5383H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDR2 MS Standard C13 and N15-labeled recombinant protein (NP_006173) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 spondylometaphyseal dysplasia.
Molecular Mass	96.74 kDa
AA Sequence	MILIPRMLLVLFLLLPILSSAKAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAK YGRLDSEEGDGAWCPEIPVEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGGHGFAP MYKINYSRDGTRWISWRNRHGKQVLDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHS MNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPGGSIYLNDSVYDGAVGYSMTEG LGQLTDGVSGLDLDDFTQTHEYHVWPGYDYVGWRNESATNGYIEIMFEFDRI RNFTTM

 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

KVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHR
 MASAICQYHFADTWMMFSEITFQSDAAMYNNEALPTSPMAPTTYDPMLKVDDSN
 TRILIGCLVAIIFILLAIIVILWRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMFNNN
 RSSSPSEQGSNSTYDRIFPLRPDYQEPSRLIRKLPEFAPGEEESGCSGVVKPVQPS
 GPEGVPHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPRKLLTFKEKL
 GEGQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDFLK
 EIKIMSRLKDPNIIHLLAVCITDDPLCMITEYMENGDLNQFLSRHEPPNSSSSDVRTVS
 YTNLKFMATQIASGMKYLSSLNFVHRDLATRNCLVGKNYTIKIADFGMSRNLYSGDY
 YRIQGRAVLPIRWMSWESILLGKFTTASDVWAFGVTLWETFTFCQEQPYSQLSDEQ
 VIENTGEFFRDQGRQTYLPQPAICPDSVYKMLMLSCWRRDTKNRPSFQEIHLLLLQQG
 DETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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;

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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_006182](#)

Protein Refseq [NP_006173](#)

MIM [191311](#)

UniProt ID [Q16832](#)

SDS-PAGE

