

# 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 spondylometaepiphyseal dysplasia.

### Molecular Mass

96.74 kDa

### AA Sequence

MILIPRMLLVLFLLLPILSSAKAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAK  
YGRLDSEEGDGAWCPEIPVEPDDLKEFLQIDLHLHLFITLVGTQGRHAGGGHGIEFAP  
MYKINYSRDGTRWISWRNRHGKQVLDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHS  
MNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPGGSIYLNDSVYDGAVGYSMTEG  
LGQLTDGVSGLDDFTQTHEYHVWPGYDYVGWRNESATNGYIEIMFEFDRIRNFTTM

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

KVHCNNMFAKGVKIFKEVQC YFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHR  
 MASAICQYHFADTWMMFSEITFQSDAAMYNNSEALPTSPMAPTTYDPMLKVDDSN  
 TRILIGCLVAIIFILLAIIVILWRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMFNNN  
 RSSSPSEQGSNSTYDRIFLRPDYQEPSRLIRKLPEFAPGEEESGCSGVVVKPVQPS  
 GPEGVPHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPRKLLTFKEKL  
 GEGQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDFLK  
 EIKIMSRLKDPNIIHLLAVCITDDPLCMITEYMENGDNLNQLSRHEPPNSSSSDVRTVS  
 YTNLKFMATQIASGMKYLSSLNFVHRDLATRNLVGNKYTIKIADFGMSRNLYSGDY  
 YRIQGRAVLPIRWMSWESILLGKFTTASDVWAFGVTLWETFTFCQEQPYSQLSDEQ  
 VIENTGEFFRDQGRQTYLPQPAICPDSVYKMLMLSCWRRDTKNRPSFQEIHLLLLLQQG  
 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;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

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

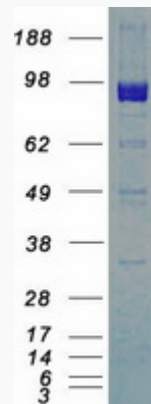
**mRNA Refseq** NM\_006182

**Protein Refseq** NP\_006173

**MIM** 191311

**UniProt ID** Q16832

**SDS-PAGE**



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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