

# Recombinant Full Length Human DDR2 Protein, C-Flag-tagged

**Cat. No.** DDR2-1465HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human DDR2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	94.3 kDa
<b>AA Sequence</b>	MILIPRMLLVLFLLLPISSAKAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAK YGRLDSEEGDG AWCPEIPVEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGGHGIEFAP MYKINYSRDGTRWISWRNRHGKQV LDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHS MNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPGGSII YLNSVYDGA VGYSMTEG LGQLTDGVSGLDDFTQTHEYHVWPGYDYVGWRNESATNGYIEIMFEFDRIRN FTT

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MKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLH  
 HRMASAIKCQY HFADTWMMFSEITFQSDAAMYNNSEALPTSPMAPTTYDPMKVD  
 DSNTRILIGCLVAIIFILLAIIVIL WRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMF  
 NNNRSSSPSEQGSNSTYDRIFLRPDYQEPSRLIRK LPEFAPGEEESGCSGVVVKPV  
 QPSGPEGVPHYAEADIVNLQGVTGGNTYSVPAVTMDLLSGKDVAVEEFPR KLLTFK  
 EKLGEQQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARND  
 FLKEIKIMS RLKDPNIIHLLAVCITDDPLCMITEYMENGDNLNQFLSRHEPPNSSSSDVR  
 TVSYTNLKFMATQIASGMKY LSSLNFVHRDLATRNCLVGKNYTIKIADFGMSRNLYS  
 GDYYRIQGRAVLPIRWMSWESILLGKFTTASDV WAFGVTLWETFTFCQEQPYSQLS  
 DEQVIENTGEFFRDQGRQTYLPQPAICPDSVYKMLMLSCWRRDTKNRP  
 SFQEIHLLLLQQGDETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families** Druggable Genome, Protein Kinase, Transmembrane

**Full Length** Full L.

## GENE INFORMATION

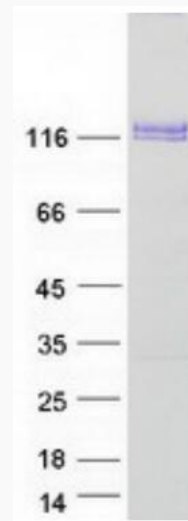
**Gene Name** [DDR2 discoidin domain receptor tyrosine kinase 2 \[ Homo sapiens \(human\) \]](#)

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<b>Official Symbol</b>	DDR2
<b>Synonyms</b>	TKT; WRCN; MIG20a; NTRKR3; TYRO10
<b>Gene ID</b>	4921
<b>mRNA Refseq</b>	NM_001014796.3
<b>Protein Refseq</b>	NP_001014796.1
<b>MIM</b>	191311
<b>UniProt ID</b>	Q16832



Coomassie blue staining of purified DDR2 protein.

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