

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

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

SPECIFICATION

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

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MKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLH
 HRMASAIKCQY HFADTWMMFSEITFQSDAAMYNNSEALPTSPMAPTTYDPMKVD
 DSNTRILIGCLVAIIFILLAIIVIL WRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMF
 NNNRSSSPSEQGSNSTYDRIFPLRPDYQEPSRLIRK LPEFAPGEEESGCSGVVKPV
 QPSGPEGVPHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPR KLLTFK
 EKLGEQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARND
 FLKEIKIMS RLKDPNIIHLLAVCITDDPLCMITEYMENGDLNQFLSRHEPPNSSSSDVR
 TVSYTNLKFMATQIASGMKY LSSLNFVHRDLATRNCLVGKNYTIKIDFGMSRNLYS
 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

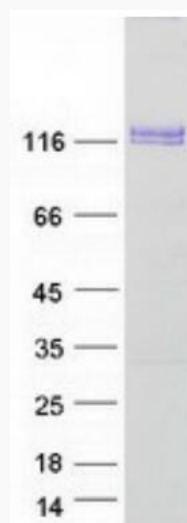
Gene Name DDR2 discoidin domain receptor tyrosine kinase 2 [Homo sapiens (human)]

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



Coomassie blue staining of purified DDR2 protein.

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