

## Product datasheet for TP308745L

### DDR2 (NM\_001014796) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human discoidin domain receptor tyrosine kinase 2 (DDR2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208745 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MILIPRMLLVLFLLLPILSSAKAQVNPAICRYPLGMSGGQIPDEDITASSQWSESTAAKYGRLDSEEGDG  
AWCPEIPVEPDDLKEFLQIDLHTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHGKQV  
LDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCWLDGLVSYNAPAGQQFVLPGGSII  
YLNDSVYDGAVGYSMTTEGLGQLTDGVSLDDFTQTHEYHVWPGYDYGWRNESATNGYIEIMFEFDRIRN  
FTTMKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVLDDVNPSARFVTVPLHHRMASAIKCQY  
HFADTWMMFSEITFQSDAAMYNNSEALPTSPMAPTTYDPMKVVDDSNTRILIGCLVAIIFILLAIIVII  
WRQFWQKMLEKASRRMLDDEMTVLSLPSDSSMFNNRSSSPSEQGSNSTYDRIFLRPDYQEPSRLIRK  
LPEFAPGEEESGCSGVVQVQPSGPEGVPHYAEADIVNLQGVTTGGNTYSVPAVMTDLLSGKDVAVEEFPR  
KLLTFKEKLGEGQFGEVHLCVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDLFLKEIKIMS  
RLKDPNIIHLLAVCITDDPLCMITEYMENGDNLNQLSRHEPPNSSSSDVRTVSYTNLKFMATQIASGMKY  
LSSLNFVHRDLATRNCLVGKNYTIKIADFGMSRNLYSGDYRIQGRAVLPIRWMSWESILLGKFTTASDV  
WAFGVTLWETFTFCQEQPYSQLSDEQVIENTGEFFRDQGRQTYLPQPAICPDSVYKMLMLSCWRRDTKNRP  
SFQEIHLLLLLQQGDE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	94.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

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

**RefSeq:** [NP\\_001014796](#)

**Locus ID:** 4921

**UniProt ID:** [Q16832](#), [A0A024R906](#)

**RefSeq Size:** 3252

**Cytogenetics:** 1q23.3

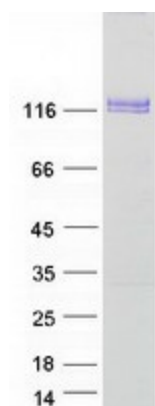
**RefSeq ORF:** 2565

**Synonyms:** MIG20a; NTRKR3; TKT; TYRO10; WRCN

**Summary:** 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. [provided by RefSeq, Aug 2017]

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

### Product images:



Coomassie blue staining of purified DDR2 protein (Cat# [TP308745]). The protein was produced from HEK293T cells transfected with DDR2 cDNA clone (Cat# [RC208745]) using MegaTran 2.0 (Cat# [TT210002]).