

## Product datasheet for PH308745

### DDR2 (NM\_001014796) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DDR2 MS Standard C13 and N15-labeled recombinant protein (NP_001014796)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208745
Predicted MW:	96.7 kDa
Protein Sequence:	>RC208745 protein sequence Red=Cloning site Green=Tags(s)

MILIPRMLLVLFLLLPILSSAKAQVNPICRYPLGMSGGQIPDEDITASSQWSESTAACYGRLDSEEGDG  
AWCPEIPVEPDDLKEFLQIDLHLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGTRWISWRNRHGKQV  
LDGNSNPYDIFLKDLEPPIVARFVRFIPVTDHSMNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPGGSI  
YLNSVDYDGA VGYSMTEGLGQLTDGVSGLD DFTQTHEYHVWPGYDYGWRNESATNGYIEIMFEFDRIRN  
FTTMKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPNAISFPLVDDVNPSARFVTVPLHHRMASAIKCQY  
HFADTWMMFSEITFQSDAAMYNSEALPTSPMAPTTYDPMKVVDDSNTRILIGCLVAIIFILLAIIVIIL  
WRQFWQKMLEKASRRMLDDEMTVSLSLPSDSSMFNNRSPSEQGSNSTYDRIFPLRPDYQEPSRLIRK  
LPEFAPGEEESGCSGVVKPVQPSGPEGVPHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPR  
KLLTFKEKLGEGQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDLFKEIKIMS  
RLKDPNIIHLLAVCITDDPLCMITEYMENGLNQFLSRHEPPNSSSSSDVRTVSYTNLKFMATQIASGMKY  
LSSLNFVHRDLATRNLVGNKYTIKIADFGMSRNLVSGDYRIQGRAVLP IRWMSWESILLGKFTTASDV  
WAFGVTLWETFTFCQEQPYSQLSDEQVIENTGEFFRDQGRQTYLPQPAICPDSVYKMLMLSCWRDRDKNRP  
SFQEIHLLLLQQGDE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



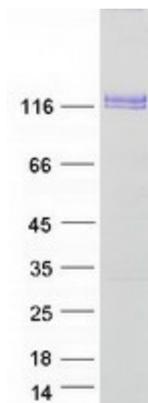
[View online »](#)

RefSeq:	<a href="#">NP_001014796</a>
RefSeq Size:	3252
RefSeq ORF:	2565
Synonyms:	MIG20a; NTRKR3; TKT; TYRO10; WRCN
Locus ID:	4921
UniProt ID:	<a href="#">Q16832</a> , <a href="#">A0A024R906</a>
Cytogenetics:	1q23.3

**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 spondylometaphyseal 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]).