

Product datasheet for TP522870

Ddr2 (NM_022563) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse discoidin domain receptor family, member 2 (Ddr2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222870 representing NM_022563 Red=Cloning site Green=Tags(s)

MIPIPRMPLVLLLLLLILGSAKAQVNPACRYPLGMSGGHIPDEDITASSQWSESTAACYGRLDSEEGDG
AWCPEIPVQPDDLKEFLQIDLRTLHFITLVGTQGRHAGGHGIEFAPMYKINYSRDGSRWISWRNRHGKQV
LDGNSNPYDVFLKDLEPPIVARFVRLIPVTDHSMNVCMRVELYGCVWLDGLVSYNAPAGQQFVLPGGSII
YLNDSVYDGA VGYSMTEGLGQLTDGVSGLDDFTQTHEYHVWPGYDYVGVWRNESATNGFIEIMFEFDRIRN
FTTMKVHCNNMFAKGVKIFKEVQCYFRSEASEWEPTAVYFPLVLDVNP SARFVTVPLHHRMASAIKCQY
HFADTWMMFSEITFQSDAAMYNN SGALPTSPMAPTTYDPMLKVDDSNTRILIGCLVAIIFILLAIIVIL
WRQFWQKMLEKASRRMLDDEM TVSLSPSESSMFNNNRSSSPSEQESNSTYDRIFLRPDYQEPSRLIRK
LPEFAPGEEESGCSGVVKAQPNGPEGVPHYAEADIVNLQGV TGGNTYCVPAVTMDLLSGKDVAVEEFPR
KLLAFKEKLGEGQFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANKNARNDFLKEIKIMS
RLKDPNIIIRLLAVCITEDPLCMITEYMENGD LNQFLSRHEPLSSCSDATVSYANLKF MATQIASGMKYL
SSLNFVHRDLATRNCLVGNKYTIKIADFGMSRNL YSGDYRIQGRAVLP IRWMSWESILLGKFTTASDVW
AFGVTLWETFTFCQEQPYSQLSDEQVIENTGEFFRDQGRQIYLPQPALCPDSVYKMLLSCWRRET KHRPS
FQEIHLLLLLQQGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	96.9 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
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_072075
Locus ID:	18214
UniProt ID:	Q62371
RefSeq Size:	8306
Cytogenetics:	1 76.84 cM
RefSeq ORF:	2562
Synonyms:	AW495251; Ntrkr3; tyro10
Summary:	Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell differentiation, remodeling of the extracellular matrix, cell migration and cell proliferation. Required for normal bone development. Regulates osteoblast differentiation and chondrocyte maturation via a signaling pathway that involves MAP kinases and leads to the activation of the transcription factor RUNX2. Regulates remodeling of the extracellular matrix by up-regulation of the collagenases MMP1, MMP2 and MMP13, and thereby facilitates cell migration and tumor cell invasion. Promotes fibroblast migration and proliferation, and thereby contributes to cutaneous wound healing.[UniProtKB/Swiss-Prot Function]