

Product datasheet for **TP510041**

Ddr1 (BC065998) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse discoidin domain receptor family, member 1 (cDNA clone MGC:90037 IMAGE:5686085), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210041 representing BC065998 Red =Cloning site Green =Tags(s) MGTGTLSSLLLLLLVTIGDADMKGHFDPKCRYALGMQDRTIPDSISVSSSWSDSTAARHSRLESSDG DGAWCPAGVPFPKEEYLQVDLRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRRWMDWKDRWGQE VISGNEDPGGVWLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGCLWRDGLLSYAPVGQTMQLSEVMV HLNDSTYDGYTAGGLQYGGLGQLADGVVGLDDFRQSQELRGWPGYDYVGVWSNQSFPTGYVEMEFEDRLR TFQTMQVHCNNMHTLGARLPGGVECRFKRGPAMAWEGEPVRHALGGSLGDPARARAI SVPLGGHVGRFLQC RFLFAGPWLLFSEISFISDVVNDSSDTFPPAPWWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILIGC LVAIILLLLLIALMLWRLHWRRLLSKAERRVLEEEELTVHLSVPGDILINNRPGPREPPPYQEPRPRGT PPHSAPCVPNGSACSGDYMEPEKPGAPLLPPPPQNSVPHYAEADIVTLQGVTTGGNTYAVPALPPGAVGDG PPRVDFPRSRLRFKEKLGEGQFGEVHLCEVEDPAALSQWEP SRGSWTRKPEKPMAPHPTVSILAHSQEAV SLRVGWACPRSRYTHSLPFLPSICQVPPSQLALWLGSCLTSSSFLLVTHWTPPAEN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	94.6 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.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	12305
UniProt ID:	Q03146
RefSeq Size:	2582
Cytogenetics:	17 18.7 cM
RefSeq ORF:	2058
Synonyms:	6030432F18, CD167a, PTK3A
Summary:	Tyrosine kinase that functions as cell surface receptor for fibrillar collagen and regulates cell attachment to the extracellular matrix, remodeling of the extracellular matrix, cell migration, differentiation, survival and cell proliferation. Collagen binding triggers a signaling pathway that involves SRC and leads to the activation of MAP kinases. Regulates remodeling of the extracellular matrix by up-regulation of the matrix metalloproteinases MMP2, MMP7 and MMP9, and thereby facilitates cell migration and wound healing, but also tumor cell invasion. Promotes smooth muscle cell migration, and thereby contributes to arterial wound healing. Phosphorylates PTPN11 (By similarity). Required for normal blastocyst implantation during pregnancy, for normal mammary gland differentiation and normal lactation. Required for normal ear morphology and normal hearing.[UniProtKB/Swiss-Prot Function]