

## Product datasheet for **TP322767**

### **MCK10 (DDR1) (NM\_013993) Human Recombinant Protein**

#### Product data:

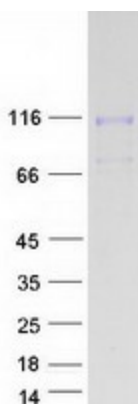
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human discoidin domain receptor tyrosine kinase 1 (DDR1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222767 representing NM_013993 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGPEALSSLLLLLVASGDADMKGHFDPACRYALGMQDRTPDSDISASSSWSDSTAARHSRLESSDGD GAWCPAGSVFPKEEYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSLRYSRDGRRWMGWKDRWGQEV ISGNEDPEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYGCLWRDGLLSYTAPVGQTMYLSEAVYL NDSTYDGHTVGGLQYGGGLQLADGVVGLDDFRKSQELRVWPGYDYVWGSNHSFSSGYVEMEFEDRLRAF QAMQVHCNNMHTLGARLPGGVECRFRRGPMAWEGEPMRHNLGGNLGDPRARAVSVPLGGRVARFLQCRF LFAGPWLLFSEISFISDVVNNSSPALGGTFPPAPWWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILI GCLVAIIIIIIALMLWRLHWRRLLSKAERRVLEEELTVHLSVPGDILINNRPGPREPPPYQEPRPR GNPPHSAPCVNPGSALLSNPAYRLLLATYARPPRGPPTPAWAKPTNTQAYSGDYMEPEKPGAPLLPP PPQNSVPHYAEADIVTLQGVTTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRFKEKLGEGQFGEVHLCEVD SPQDLVSLDFPLNVRKGHPLLVAVKILRPDATKNARNDFLKEVKIMSRLKDPNIIRLLGVCVQDDPLCMI TDYMENGDNLNQLSAHQLEDKAAEGAPGDGQAAQGPTISYPMLLHVAAQIASGMRYLATLNFVHRDLATR NCLVGENFTIKIADFGMSRNLVYAGDYRVQGRAVLPIRWMWAWECILMGKFTTASDVWAFGVTLWEVLMCLC RAQPFQQLTDEQVIENAGEFFRDQGRQVYLSRPPACPQGLYELMLRCWSRESEQRPPFSQLHRFLAEDAL NTV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	100.9 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



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_054699</a>
<b>Locus ID:</b>	780
<b>UniProt ID:</b>	<a href="#">Q08345</a> , <a href="#">A0A024RCL1</a>
<b>RefSeq Size:</b>	3877
<b>Cytogenetics:</b>	6p21.33
<b>RefSeq ORF:</b>	2739
<b>Synonyms:</b>	CAK; CD167; DDR; EDDR1; HGK2; MCK10; NEP; NTRK4; PTK3; PTK3A; RTK6; TRKE
<b>Summary:</b>	Receptor tyrosine kinases play a key role in the communication of cells with their microenvironment. These kinases are involved in the regulation of cell growth, differentiation and metabolism. The protein encoded by this gene belongs to a subfamily of tyrosine kinase receptors with homology to Dictyostelium discoideum protein discoidin I in their extracellular domain, and that are activated by various types of collagen. Expression of this protein is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain. In addition, it has been shown to be significantly overexpressed in several human tumors. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane

### Product images:



Coomassie blue staining of purified DDR1 protein (Cat# TP322767). The protein was produced from HEK293T cells transfected with DDR1 cDNA clone (Cat# [RC222767]) using MegaTran 2.0 (Cat# [TT210002]).