

Recombinant Full Length Human DDR1 Protein, C-Flag-tagged

Cat. No. DDR1-1331HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DDR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	100.9 kDa
AA Sequence	MGPEALSSLLLLLLVASGDADMKGHFDPKCRYALGMQDRTIPDSDISASSSWSDS TAARHSRLESSDGD GAWCPAGSVFPKEEEYLQVDLQRLHLVALVGTQGRHAGGL GKEFSRSYRLRYSRDGRRWMGWKDRWGQEV ISGNEDPEGVVLKDLGPPMVARL VRFYPRADRVMSVCLRVELYGCLWRDGLLSYTAPVGQTMYLSEAVYL NDSTYDGH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TVGGLQYGGLGQLADGVVGLDDFRKSQELRVWPGYDYVGWSNHSFSSGYVEMEF
 EFDRLRAF QAMQVHCNNMHTLGARLPGGVECFRRGPAMAWEGEPMRHNLG
 LGDPRARAVSVPLGGRVARFLQCRF LFAGPWLLFSEISFISDVVNNSSPALGGTFPP
 APWWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILI GCLVAIIIIIIIIALMLWRL
 HWRRLLSKAERRVLEEELTVHLSVPGDTILINNRPGPPEPPPYQEPRPR GNPPHSA
 PCVPNGSALLLSNPAYRLLLATYARPPRGPGPPTPAWAKPTNTQAYSGDYMEPEKP
 GAPLLPP PPQNSVPHYAEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDFPRS
 RLRKFKEKLGEGQFGEVHLCEVD SPQDLVSLDFPLNVRKGHPLLVAVKILRPDATKN
 ARNDFLKEVKIMSRLKDPNIIRLLGVCVQDDPLCFMI TDYMENGDLNQFLSAHQLEDK
 AAEGAPGDGQAAQGPTISYPMLLHVAAQIASGMRYLATLNFVHRDLATR NCLVGEN
 FTIKIADFGMSRNLYAGDYRVQGRAVLPIRWMAWECILMGKFTTASDVWAFGVTL
 WEVLMLC RAQPFQQLTDEQVIENAGEFFRDQGRQVYLSRPPACPQGLYELMLRC
 WSRESEQRPPFSQLHRFLAEDAL
 NTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name DDR1 discoidin domain receptor tyrosine kinase 1 [Homo sapiens (human)]

Official Symbol [DDR1](#)

Synonyms CAK; DDR; NEP; HGK2; PTK3; RTK6; TRKE; CD167; EDDR1; MCK10; NTRK4; PTK3A

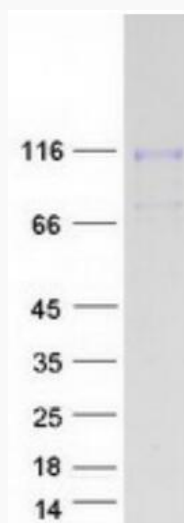
Gene ID [780](#)

mRNA Refseq [NM_001954.5](#)

Protein Refseq [NP_001945.3](#)

MIM [600408](#)

UniProt ID [Q08345](#)



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Coomassie blue staining of purified DDR1 protein.

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