

# Recombinant Human DDR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DDR1-793H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	DDR1 MS Standard C13 and N15-labeled recombinant protein (NP_054699) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	100.9 kDa
<b>AA Sequence</b>	MGPEALSSLLLLLLVASGDADMKGHFDPKCRYALGMQDRTPDSDISASSSWSDS TAARHSRLESSDGDGAWCPAGSVFPKEEYQLQVDLQRLHLVALVGTQGRHAGGLG KEFSRSYRLRYSRDGRRWMGWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLVR FYPRADRVMSVCLRVELYGCLWRDGLLSYAPVGQTMYLSEAVYLNDSTYDGHTV

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

GGLQYGGGLGQLADGVVGLDDFRKSQELRVWPGYDYVGWSNHSFSSGYVEMEFEF  
 DRLRAFQAMQVHCNNMHTLGARLPGGVECFRRGPAMAWEGEPMRHNLGGNLG  
 DPRARAVSVPLGGRVARFLQCRFLFAGPWLLFSEISFISDVVNNSSPALGGTFPPAP  
 WWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILIGCLVAIILLLLIALLMLWRLHW  
 RRLLSKAERRVLEEELTVHLSVPGDTILINNRPGPREPPPYQEPRPRGNPPHSAPCV  
 PNGSALLSNPAYRLLLATYARPPRPGPGPPTPAWAKPTNTQAYSGDYMEPEKPGAP  
 LLPPPQNSVPHYAEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRF  
 KEKLGEGQFGEVHLCEVDSPQDLVSLDFPLNVRKGHPLLVAVKILRPDATKNARNDP  
 LKEVKIMSRLKDPNIIRLLGVCVQDDPLCMITDYMENGDNLNQLSAHQLEDKAAEGA  
 PGDGQAAQGPTISYPMLLHVAQAQIASGMRYLATLNFVHRDLATRNCLVGENFTIKIAD  
 FGMSRNLVAGDYRVQGRAVLPIRWMAWECILMGKFTTASDVWAFGVTLWEVLML  
 CRAQPFGLTDEQVIENAGEFFRDQGRQVYLSRPPACQGLYELMLRCWSRESEQ  
 RPPFSQLHRFLAEDALNTVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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

**Official Symbol** [DDR1](#)

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**Synonyms**

DDR1; discoidin domain receptor tyrosine kinase 1; CAK, discoidin domain receptor family, member 1, EDDR1, NEP, NTRK4, PTK3A; epithelial discoidin domain-containing receptor 1; CD167; RTK6; tyrosine kinase DDR; cell adhesion kinase; mammary carcinoma kinase 10; tyrosine-protein kinase CAK; protein-tyrosine kinase RTK-6; neuroepithelial tyrosine kinase; PTK3A protein tyrosine kinase 3A; CD167 antigen-like family member A; neurotrophic tyrosine kinase, receptor, type 4; CAK; DDR; NEP; HGK2; PTK3; TRKE; EDDR1; MCK10; NTRK4; PTK3A;

**Gene ID**

780

**mRNA Refseq**

NM\_013993

**Protein Refseq**

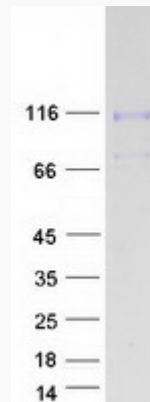
NP\_054699

**MIM**

600408

**UniProt ID**

Q08345

**SDS-PAGE**


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