

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

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

SPECIFICATION

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

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GGLQYGGGLGQLADGVVGLDDFRKSQELRVWPGYDYVGWSNHSFSSGYVEMEFEF
DRLRAFQAMQVHCNNMHTLGARLPGGVECFRRGPAMAWEGEPMRHNLGGNLG
DPRARAVSVPLGGRVARFLQCRFLFAGPWLLFSEISFISDVVNNSSPALGGTFPPAP
WWPPGPPPTNFSSLELEPRGQQPVAKAEGSPTAILIGCLVAIILLLLLIIALMLWRLHW
RRLLSKAERRVLEEELTVHLSVPGDTILINNRPGPREPPPYQEPRPRGNPPHSAPCV
PNGSALLLSNPAYRLLLATYARPPRPGPGPPTPAWAKPTNTQAYSGDYMEPEKPGAP
LLPPPPQNSVPHYAEADIVTLQGVTGGNTYAVPALPPGAVGDGPPRVDFPRSRLRF
KEKLGEQGFGFVHLCEVDSPQDLVSLDFPLNVRKGHPLLVAVKILRPDATKNARNDP
LKEVKIMSRLKDPNIIRLLGVCVQDDPLCMITDYMENGDLNQFLSAHQLEDKAAEGA
PGDGQAAQGPTISYPMLLHVAAQIASGMRYLATLNFVHRDLATRNCLVGENFTIKIAD
FGMSRNLYAGDYRVQGRAVLPIRWMWAWECILMGKFTTASDVWAFGVTLWEVLML
CRAQPFQQLTDEQVIENAGEFFRDQGRQVYLSRPPACPQGLYELMLRCWSRESEQ
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

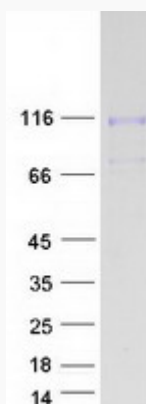
NP_054699

MIM

600408

UniProt ID

Q08345

SDS-PAGE


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