

Recombinant Human DDR1 Protein, hlgG-His-tagged

Cat. No. DDR1-220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDR1(21-417aa) fused with hlgG-His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	21-417aa
Description	DDR1, also known as epithelial discoidin domain-containing receptor 1 isoform 2, is a transmembrane glycoprotein that belongs to the discoidin-like domain containing subfamily of receptor tyrosine kinases. 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. DDR1 oligomerization enhances collagen binding and also modulates collagen fibrillogenesis.
Predicted N Terminal	Asp 21
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	71.0kDa (636aa) 70-100KDa (SDS-PAGE under reducing conditions.)
AA Sequence	DMKGHFDPK CRYALGMQDR TIPDSDISAS SSWSDSTAAR HSRLESSDGD GAWCPAGSVF PKEEEYLQVD LQRLHLVALV GTQGRHAGGL

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GKEFSRSYRL RYSRDGRRWM GWKDRWGQEV ISGNEDPEGV VLKDLGPPMV
 ARLVRFYPRA DRVMSVCLRV ELYGCLWRDG LLSYTAPVGQ
 TMYLSEAVYL NDSTYDGHTV GGLQYGGLGQ LADGVVGLDD FRKSQELRYV
 WPGYDYVGWS NHSFSSGYVE MEFEFDRLRA FQAMQVHCNN
 MHTLGARLPG GVECRFRRGP AMAWEGEPMR HNLGGNLGDP RARAVSVPLG
 GRVARFLQCR FLFAGPWLLF SEISFISDVV NNSSPALGGT
 FPPAPWWPPG PPPTNFSSLE LEPRGQQPVA KAEGSPTALE PKSCDKTHTC
 PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV
 SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG
 KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD
 ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGGSFFL
 YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG
 KHHHHHH

Purity > 90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Absorbance at 280)

GENE INFORMATION

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

Official Symbol [DDR1](#)

Synonyms DDR1; discoidin domain receptor tyrosine kinase 1; CAK, discoidin domain receptor

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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

