

Recombinant Human DDR1 Protein, C-His-tagged

Cat. No. DDR1-143H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDR1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The discoidin domain receptors (DDR) are receptor tyrosine kinases with a discoidin homology repeat in their extracellular domains, activated by binding to extracellular matrix collagens. So far, two mammalian DDRs have been identified: DDR1 and DDR2. They are widely expressed in human tissues and may have roles in smooth muscle cell-mediated collagen remodeling. Research studies have implicated aberrant expression and signaling of DDRs in human diseases related to increased matrix degradation and remodeling, such as cardiovascular disease, liver fibrosis, and tumor invasion.
Molecular Mass	~44 kDa
AA Sequence	DMKGHFDPKCRYALGMQDRTIPDSDISASSSWSDSTAARHSRLESSDGDGAWCP AGSVFPKEEEYLQVDLQRLHLVALVGTQGRHAGGLGKEFSRSYRLRYSRDGRWWM GWKDRWGQEVISGNEDPEGVVLKDLGPPMVARLVRFYPRADRVMSVCLRVELYG CLWRDGLLSYTAPVGQTMYLSEAVYLNDSYDGHTVGGLQYGGGLGQLADGVVGLD DFRKSQELRVWPGYDYVGWSNHSFSSGYVEMEFEDRLRAFQAMQVHCNNMHTL GARLPGGVECFRRGPAMAWEGEPMRHNLGGLDPRARAVSVPLGGRVARFLQ CRFLFAGPWLLFSEISFISDVVNNSSPALGGTFPPAPWWPPGPPPTNFSSELEPRG

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	QQPVAKAEGSPTA
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	DDR1 discoidin domain receptor tyrosine kinase 1 [Homo sapiens (human)]
Official Symbol	DDR1
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_001202521

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Protein Refseq	NP_001189450
MIM	600408
UniProt ID	Q08345

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