

## Active Recombinant Human DDR1 protein, Fc-tagged

Cat. No. DDR1-1942H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DDR1 protein(Asp 21 - Thr 416), fused with Fc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	21-416 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 51 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Loaded Human DDR1, Fc Tag on Protein A Biosensor, can bind Native Human Collagen I protein with an affinity constant of 0.327 nM as determined in BLI assay (ForteBio Octet Red96e).
<b>Molecular Mass</b>	This protein carries a human IgG1 Fc tag at the C-terminus.The protein has a calculated MW of 70.4 kDa. The protein migrates as 70-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Asp21-Thr416
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DDR1 discoidin domain receptor tyrosine kinase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">DDR1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">780</a>
<b>mRNA Refseq</b>	<a href="#">NM_001202521</a>
<b>Protein Refseq</b>	<a href="#">NP_001189450</a>
<b>MIM</b>	<a href="#">600408</a>

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