

# Active Recombinant Human DDR1 protein, hFc-tagged, Low Endotoxin

**Cat. No.** DDR1-4H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human DDR1 protein(Q08345-1)(Asp21-Ala417), fused with C-terminal hFc tag, was expressed in HEK293.                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 21-417 aa                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                         |
| <b>Bio-activity</b>     | Immobilized Human DDR1, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-DDR1 Antibody, hFc Tag with the EC50 of 13.6ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 69.97 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Bis-Tris PAGE result.                                                    |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                             |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 90% as determined by HPLC                                                                                                                       |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                                       |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## 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 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](#)

**Protein Refseq** [NP\\_001189450](#)

**MIM** [600408](#)

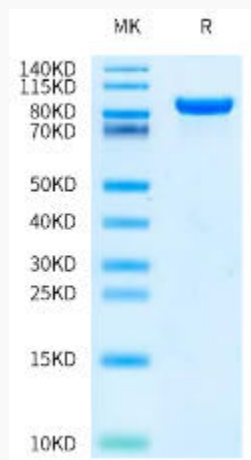
**UniProt ID** [Q08345](#)

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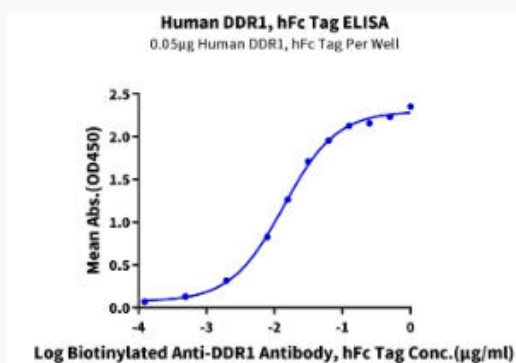
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## Bis-Tris PAGE



## ELISA Data



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