

## Recombinant Human DDR1 protein, GST-tagged

**Cat. No.** DDR1-29456TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DDR1(444-end) fused with GST tag at N-terminal was expressed in Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	<p>DDR1 is a member of the subfamily of tyrosine kinase receptors with a homology region to the Dictyostelium discoideum protein discoidin I in its extracellular domain. DDR1 is widely expressed in normal and transformed epithelial cells and is activated by various types of collagen. Expression of DDR1 is restricted to epithelial cells, particularly in the kidney, lung, gastrointestinal tract, and brain and DDR1 is over-expressed in fast-growing invasive tumors of the breast, ovary, esophagus, brain and lung. Collagen type I mediated stimulation of DDR1 leads to activation of matrix metalloproteinase 2 and 9 as well as increased cell invasion.</p>
<b>Form</b>	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	5 nmol/min/mg
<b>Molecular Mass</b>	~77 kDa
<b>Purity</b>	>90%

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<b>Applications</b>	Kinase Assay, Western Blot
<b>Stability</b>	1 year at -70 centigrade from the date of shipment
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µl
<b>GENE INFORMATION</b>	
<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_001954</a>
<b>Protein Refseq</b>	<a href="#">NP_001945</a>
<b>MIM</b>	<a href="#">600408</a>

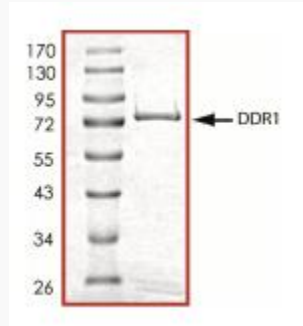
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