

## Recombinant Mouse DDR1 cell lysate

**Cat. No.** DDR1-401MCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Mouse DDR1 Kinase / MCK10 / CD167 derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer. Browse all transfected cell lysate positive controls
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Preparation method</b>	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
<b>Lysis buffer</b>	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Quality control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue
<b>Recommended Usage</b>	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boiled for 2-5 min. 3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles. Notes: The lysate is ready to load on

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	SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -80°C
<b>Storage Buffer</b>	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
<b>Storage Instruction</b>	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Ddr1 discoidin domain receptor family, member 1 [ Mus musculus ]</a>
<b>Official Symbol</b>	DDR1
<b>Synonyms</b>	DDR1; discoidin domain receptor family, member 1; epithelial discoidin domain-containing receptor 1; tyrosine kinase DDR; cell adhesion kinase; tyrosine-protein kinase CAK; protein-tyrosine kinase MPK-6; CD167 antigen-like family member A; discoidin receptor tyrosine kinase; epithelial discoidin domain receptor 1; Cak; Nep; PTK3A; CD167a; AI323681; 6030432F18;
<b>Gene ID</b>	<a href="#">12305</a>
<b>mRNA Refseq</b>	<a href="#">NM_001198831</a>
<b>Protein Refseq</b>	<a href="#">NP_001185760</a>
<b>Function</b>	ATP binding; collagen binding; kinase activity; nucleotide binding; protein kinase

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activity; protein tyrosine kinase activity; protein tyrosine kinase collagen receptor activity; receptor activity; transferase activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity;

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