Recombinant Human DDR1 cell lysate

Cat. No. DDR1-001HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDR1 Kinase / MCK10 / CD167 (aa 444-913) derived in Baculovirus-Insect cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
Source	Insect Cells
ProteinLength	444-913 a.a.
Preparation method	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.
Lysis buffer	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
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	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

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	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 SDS-PAGE for Western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage 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
Storage Instruction	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

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

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Protein Refseq	NP_001189450
MIM	600408
UniProt ID	Q08345
Chromosome Location	6p21.33
Function	ATP binding; collagen binding; collagen binding; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase collagen receptor activity; receptor activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity;

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