

Recombinant Human DYRK2 293 Cell Lysate

Cat. No. DYRK2-6750HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 (DYRK2), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name DYRK2 dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 [Homo sapiens]

Official Symbol DYRK2

Synonyms DYRK2; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; dual specificity tyrosine-phosphorylation-regulated kinase 2; FLJ21217; FLJ21365;

Gene ID 8445

mRNA Refseq NM_003583

Protein Refseq NP_003574

MIM 603496

UniProt ID Q92630

Chromosome Location 12q15

Pathway p53 pathway, organism-specific biosystem;

Function ATP binding; magnesium ion binding; manganese ion binding; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; protein

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serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity; ubiquitin binding;

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