

Recombinant Human HK2 293 Cell Lysate

Cat. No. HK2-5508HCL Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| ProteinLength | 1-917 aa |
| Description | Antigen standard for hexokinase 2 (HK2) 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. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil |

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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 [HK2 hexokinase 2 \[Homo sapiens \]](#)

Official Symbol [HK2](#)

Synonyms [HK2](#); [hexokinase 2](#); [hexokinase-2](#); [HK II](#); [hexokinase type II](#); [hexokinase-2, muscle](#); [muscle form hexokinase](#); [HKII](#); [HXK2](#); [DKFZp686M1669](#);

Gene ID [3099](#)

mRNA Refseq [NM_000189](#)

Protein Refseq [NP_000180](#)

MIM [601125](#)

UniProt ID [P52789](#)

Chromosome Location [2p13](#)

Pathway [Amino sugar and nucleotide sugar metabolism, organism-specific biosystem](#); [Amino sugar and nucleotide sugar metabolism, conserved biosystem](#); [Butirosin and neomycin biosynthesis, organism-specific biosystem](#); [Butirosin and neomycin biosynthesis, conserved biosystem](#); [Carbohydrate digestion and absorption, organism-specific biosystem](#); [Carbohydrate digestion and absorption, conserved biosystem](#); [Fructose and mannose metabolism, organism-specific biosystem](#);

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Function

ATP binding; glucose binding; hexokinase activity; kinase activity; nucleotide binding; transferase activity;

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