Recombinant Human IRX4 293 Cell Lysate

Cat. No. IRX4-5156HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for iroquois homeobox 4 (IRX4) 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	IRX4 iroquois homeobox 4 [Homo sapiens]
Official Symbol	IRX4
Synonyms	IRXA3; iroquois-class homeodomain protein IRX-4; homeodomain protein IRXA3; iroquois homeobox protein 4
Gene ID	50805
mRNA Refseq	NM_016358
Protein Refseq	NP_057442
MIM	606199
UniProt ID	P78413
Chromosome Location	5p15.3
Pathway	Cardiac Progenitor Differentiation, organism-specific biosystem; Heart Development, organism-specific biosystem
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity

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