Recombinant Human HOXD4 293 Cell Lysate

Cat. No. HOXD4-5411HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for homeobox D4 (HOXD4) 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	HOXD4 homeobox D4 [Homo sapiens]
Official Symbol	HOXD4
Synonyms	HOXD4; homeobox D4; homeo box D4 , HOX4, HOX4B; homeobox protein Hox-D4; homeobox protein Hox-4B; homeobox protein HHO.C13; homeobox protein Hox-5.1; Hox-4.2, mouse, homolog of homeo box X; HOX4; HOX4B; HHO.C13; HOX-5.1; Hox-4.2;
Gene ID	3233
mRNA Refseq	NM_014621
Protein Refseq	NP_055436
UniProt ID	P09016
Chromosome Location	2q31.1
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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