

Recombinant Human HHEX 293 Cell Lysate

Cat. No. HHEX-5570HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for hematopoietically expressed homeobox (HHEX) 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 the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HHEX hematopoietically expressed homeobox [Homo sapiens]
Official Symbol	HHEX
Synonyms	HHEX; hematopoietically expressed homeobox; PRHX; hematopoietically-expressed homeobox protein HHEX; HEX; HOX11L PEN; homeobox protein HEX; homeobox protein PRH; homeobox, hematopoietically expressed; proline-rich homeodomain-containing transcription factor; PRH; HMPH; HOX11L-PEN;
Gene ID	3087
mRNA Refseq	NM_002729
Protein Refseq	NP_002720
MIM	604420
UniProt ID	Q03014
Chromosome Location	10q23.33
Pathway	Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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Function

DNA binding, bending; HMG box domain binding; TBP-class protein binding; chromatin binding; eukaryotic initiation factor 4E binding; protein binding; protein homodimerization activity; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; transcription regulatory region DNA binding;

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