Recombinant Human CREB5 293 Cell Lysate

Cat. No. CREB5-7286HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for cAMP responsive element binding protein 5 (CREB5), transcript variant 4 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	CREB5 cAMP responsive element binding protein 5 [Homo sapiens]
Official Symbol	CREB5
Synonyms	CREB5; cAMP responsive element binding protein 5; cyclic AMP-responsive element-binding protein 5; cAMP response element binding protein CRE Bpa; CRE BPA; H_GS165L15.1; CREB-5; cAMP-responsive element-binding protein 5; cAMP response element binding protein CRE-Bpa; cAMP response element-binding protein CRE-BPa; cAMP responsive element binding protein 5 isoform alpha; CRE-BPA;
Gene ID	9586
mRNA Refseq	NM_001011666
Protein Refseq	NP_001011666
UniProt ID	Q02930
Chromosome Location	7p15
Pathway	Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Cholinergic synapse, organism-specific biosystem; Cocaine addiction, organism-specific biosystem; Cocaine addiction, conserved biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse,

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	conserved biosystem;
Function	metal ion binding; protein binding; protein dimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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