

Recombinant Human CREB5 293 Cell Lysate

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

SPECIFICATION

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.
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

 Tel: 1-631-559-9269 1-516-512-3133

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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, conserved biosystem;

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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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