

CREB1 (phospho S133) Transcription Factor Assay Kit

Cat. No. Kit-0262 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CREB1 (phospho S133) Transcription Factor Assay Kit is a colorimetric method for determining CREB1 DNA binding activity.
Description	Cyclic AMP response element-binding protein (CREB) belongs to a large family of structurally related transcription factors called bZIP and includes AFT1-4, c-Fos, c-Myc, c-Jun, and C/EBP. These basic region leucine zipper (bZIP) transcription factors have a DNA-binding domain and a dimerization domain that contains the leucine zipper motif. CREB proteins recognize and bind to the cAMP-responsive element promoter (CRE) site and regulate transcription of many downstream genes that play important roles in metabolic regulation, depression, and in signaling pathways that enable long term memory.
Usage	For research use only (RUO)
Storage	This kit will perform as specified if stored as directed and used before the expiration date indicated on the outside of the box. Component Storage Transcription Factor Binding Assay Buffer (4X) 4°C Transcription Factor Reagent A -20°C TF CREB (Phospho-Ser133) Positive Control -80°C Transcription Factor Antibody Binding Buffer (10X) 4°C TF CREB (Phospho-Ser133) Primary Antibody -20°C Wash Buffer Concentrate (400X) RT Polysorbate 20 RT TF CREB (Phospho-Ser133) Competitor dsDNA -20°C Transcription Factor Goat Anti-Rabbit HRP Conjugate -20°C TF CREB (Phospho-Ser133) 96-Well Strip Plate 4°C 96-Well Cover Sheets RT Transcription Factor Developing Solution 4°C Transcription Factor Stop Solution RT Kit components may be stored at -20°C prior to use. For long term storage, the Positive Control

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should be thawed on ice, aliquoted at 25 µL/vial, and stored at -80°C. After opening kit, we recommend each kit component be stored according to the temperature listed above.

Kit Components

Transcription Factor Binding Assay Buffer (4X) 1 vial
Transcription Factor Reagent A 1 vial
TF CREB (Phospho-Ser133) Positive Control 1 vial
Transcription Factor Antibody Binding Buffer (10X) 1 vial
TF CREB (Phospho-Ser133) Primary Antibody 1 vial
Wash Buffer Concentrate (400X) (5 mL) 1 vial
Polysorbate 20 1 vial
TF CREB (Phospho-Ser133) Specific Competitor dsDNA 1 vial
Transcription Factor Goat Anti-Rabbit HRP Conjugate 1 vial
TF CREB (Phospho-Ser133) 96-Well Strip Plate 1 plate
96-Well Cover Sheets 1 cover
Transcription Factor Developing Solution 1 vial
Transcription Factor Stop Solution 1 vial

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