

CREB1 (phospho S133) Transcription Factor Assay Kit

Product Information

Cat.No.

Kit-0262

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

Component	Storage Temperature
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 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

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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
