

Recombinant Human CREB5 protein, His & T7-tagged

Cat. No. CREB5-1112H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CREB5 aa. (Gln308~Leu508 (Accession # Q02930) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln308~Leu508
Description	The product of this gene belongs to the CRE (cAMP response element)-binding protein family. Members of this family contain zinc-finger and bZIP DNA-binding domains. The encoded protein specifically binds to CRE as a homodimer or a heterodimer with c-Jun or CRE-BP1, and functions as a CRE-dependent trans-activator. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Freeze-dried powder
Molecular Mass	31kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	CREB5 cAMP responsive element binding protein 5 [Homo sapiens (human)]
Official Symbol	CREB5
Synonyms	CREB5; cAMP responsive element binding protein 5; CREB-5; CRE-BPA; cyclic AMP-responsive element-binding protein 5; cAMP response element-binding protein CRE-BPa
Gene ID	9586
mRNA Refseq	NM_001011666.2
Protein Refseq	NP_001011666.1

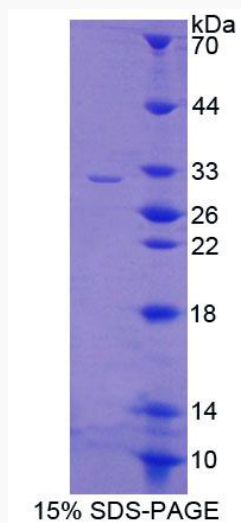
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UniProt ID

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