

Recombinant Human CREM Protein, His&GST-tagged

Cat. No. CREM-840H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CREM Protein (Met1-Glu182) with His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu182
Description	This gene encodes a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenic cycle, as well as other complex processes. Alternative promoter and translation initiation site usage allows this gene to exert spatial and temporal specificity to cAMP responsiveness. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene, with some of them functioning as activators and some as repressors of transcription.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.7 kDa; Accurate Molecular Mass: 50 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CREM cAMP responsive element modulator [Homo sapiens (human)]
Official Symbol	CREM
Synonyms	CREM; cAMP responsive element modulator; cAMP-responsive element modulator; hCREM 2; CREM 2beta-a protein; CREM 2alpha-b protein; cAMP response element modulator; inducible cAMP early repressor ICER; ICER; CREM-2; hCREM-2; MGC17881; MGC41893; MGC111110;
Gene ID	1390
mRNA Refseq	NM_001881
Protein Refseq	NP_001872
MIM	123812

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UniProt ID

Q03060

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