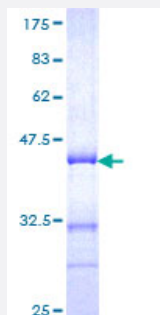


CREM (Human) Recombinant Protein (Q01)

Catalog # H00001390-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CREM partial ORF (NP_853549, 201 a.a. - 300 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ATGDMPTYQIRAPTAALPQGVVMAASPGSLHSPQQLAEEATRRELRLMKNREAAKECRRRKKE YVKCLESRVAVLEVQNKKLIEELETLKDICS PKTDY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CREM

Entrez GeneID [1390](#)

GeneBank Accession# [NM_181571](#)

Protein Accession# [NP_853549](#)

Gene Name CREM

Gene Alias ICER, MGC111110, MGC17881, MGC41893, hCREM-2

Gene Description cAMP responsive element modulator

Omim ID [123812](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 spermatogenetic 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. [provided by RefSeq]

Other Designations OTTHUMP00000019442|OTTHUMP00000019443|OTTHUMP00000019444|OTTHUMP00000019446|OTTHUMP00000019448|cAMP response element modulator|hCREM 2alpha-b protein|hCREM 2beta-a protein|inducible cAMP early repressor ICER

Disease

- [Agoraphobia](#)
- [Alzheimer disease](#)

- [Asthma](#)
- [Azoospermia](#)
- [Cardiovascular Diseases](#)
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