

Datasheet for ABIN7563029
CREM Protein (AA 1-357) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CREM
Protein Characteristics:	AA 1-357
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CREM protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Crem Protein expressed in mammalien cells.
Sequence:	MSKCGRKKYM RTNVRQMTME TVESQQDRSV TRSVAEHSSA HMQTGQISVP TLAQVSVAGS GTGRGSPAVT LVQLPSGQTV QVQGVITPH PSVIQSPQIQ TVQVATIAET DDSADSEVID SHKRREILSR RPSYRKILNE LSSDVPGIPK IEEEEKSEEEG TPPNIATMAV PTSIYQTSTG QYIAIAQGGT IQISNPGSDG VQGLQALTMT NSGAPPPGAT IVQYAAQSAD GTQQFFVPGS QVVVQDEETD LAPSHMAAAT GDMPTYQIRA PTTALPQGVV MAASPGSLHS PQLAEATR KRELRLMKNR EAAKECRRRK KEYVKCLESR VAVLEVQNKK LIEELETLD ICSPKTD Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: CREM

Alternative Name: Crem ([CREM Products](#))

Background: CAMP-responsive element modulator (Inducible cAMP early repressor) (ICER),FUNCTION: Transcriptional regulator that binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. Isoforms are either transcriptional activators or repressors. Isoform 2, isoform 3 and isoform 4 are repressors, while isoform 1 is an activator. Plays a role in spermatogenesis and is involved in spermatid maturation. Binding of isoform 1 (activator) to CRE is increased by CREB3L4. The CREM isoform 1-CREB3L4 heterodimer functions through CRE and may recruit HIRA to CRE to regulate histone exchange (PubMed:16595651). {ECO:0000269|PubMed:16595651}, FUNCTION: [Isoform 11]: Plays a role in the regulation of the circadian clock: acts as a transcriptional repressor of the core circadian component PER1 by directly binding to cAMP response elements in its promoter. {ECO:0000269|PubMed:16595651, ECO:0000269|PubMed:23443664}.

Molecular Weight: 38.5 kDa

UniProt: [P27699](#)

Target Details

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months