



Recombinant Bovine Cyclic AMP-responsive element-binding protein 1 (CREB1)

Product Code	CSB-MP005947BO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P27925
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	>85% (SDS-PAGE)
Sequence	MESGAENQQS GDAAVTEAES QQMTVQAQPQ IATLAQVSMP AAHATSSAPT VTLVQLPNGQ TVQVHGVIQA AQPSVIQSPQ VQTVQISTIA ESEDSQESVD SVTDSQKRRE ILSRRPSYRK ILNDLSSDAP GVPRIEEEEKS EEETSAPAIT TVTVPTPIYQ TSSGQYIAIT QGGAIQLANN GTDGVQGLQT LTMTNAAATQ PGTTILQYAQ TTDGQQILVP SNQVVVQAAS GDVQTYQIRT APTSTIAPGV VMASSPALPT QPAEEAARKR EVRLMKNREA ARECRRKKKE YVKCLENRVA VLENQNKTLI EELKALKDLY CHKSD
Source	Mammalian cell
Target Names	CREB1
Protein Names	Recommended name: Cyclic AMP-responsive element-binding protein 1 Short name= CREB-1 Short name= cAMP-responsive element-binding protein 1 Alternative name(s): Cyclic AMP-responsive DNA-binding protein
Expression Region	1-325
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.