



# Recombinant Rat Cyclic AMP-dependent transcription factor ATF-4 (Atf4)

<b>Product Code</b>	CSB-EP880648RA-B
<b>Abbreviation</b>	Atf4
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9ES19
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MTEMSFLNSE VLAGDLMSPF DQSGLGAEES LGLLDDYLEV AKHFKPHGFS SDKAGSSEWL AMDGLVSASD TGKEDAFSGT DWMLEKMDLK EFDALFRM DDLETMPDEL LATLDDTCDL FAPLVQETNK EPPQTVNPIG HLPESVIKVD QAAPFTFLQP LPCSPGFLSS TPDHSFSLEL GSEVDISEGD RKPDSAAYIT LTPQCVKEED TPSDSDSGIC MSPESYLGSP QHSPSTSRAP PDSLSPSPGVP RGSRPKPYDP PGVSVTAKVK TEKLDKCLKK MEQNKTAATR YRQKKRAEQE ALTGECKELE KKNEALKEKA DSLAKEIQYL KDLIEEVRKA RGKKRVP
<b>Source</b>	E.coli
<b>Target Names</b>	Atf4
<b>Protein Names</b>	Recommended name: Cyclic AMP-dependent transcription factor ATF-4 Short name= cAMP-dependent transcription factor ATF-4 Alternative name(s): Activating transcription factor 4 Short name= rATF-4
<b>Expression Region</b>	1-347
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). This protein belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two



alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.

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**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.

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**Shelf Life**

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