Recombinant Human Cyclic AMP-dependent transcription factor ATF-4 (ATF4)

Product Code	CSB-EP002272HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P18848
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MTEMSFLSSE VLVGDLMSPF DQSGLGAEES LGLLDDYLEV AKHFKPHGFS SDKAKAGSSE WLAVDGLVSP SNNSKEDAFS GTDWMLEKMD LKEFDLDALL GIDDLETMPD DLLTTLDDTC DLFAPLVQET NKQPPQTVNP IGHLPESLTK PDQVAPFTFL QPLPLSPGVL SSTPDHSFSL ELGSEVDITE GDRKPDYTAY VAMIPQCIKE EDTPSDNDSG ICMSPESYLG SPQHSPSTRG SPNRSLPSPG VLCGSARPKP YDPPGEKMVA AKVKGEKLDK KLKKMEQNKT AATRYRQKKR AEQEALTGEC KELEKKNEAL KERADSLAKE IQYLKDLIEE VRKARGKKRV P
Source	E.coli
Target Names	ATF4
Protein Names	Recommended name: Cyclic AMP-dependent transcription factor ATF-4 Short name= cAMP-dependent transcription factor ATF-4 Alternative name(s): Activating transcription factor 4 Cyclic AMP-responsive element-binding protein 2 Short nam
Expression Region	1-351
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 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 chromsome at q28 in a region containing a large inverted duplication.
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.