Recombinant Mouse Cyclic AMP-dependent transcription factor ATF-2 (Atf2)

Product Code	CSB-EP002270MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16951
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSDDKPFLCT APGCGQRFTN EDHLAVHKHK HEMTLKFGPA RNDSVIVADQ TPTPTRFLKN CEEVGLFNEL ASPFENEFKK ASEDDIKKMP LDLSPLATPI IRSKIEEPSV VETTHQDSPL PHPESTTSDE KEVPLAQTAQ PTSAIVRPAS LQVPNVLLTS SDSSVIIQQA VPSPTSSTVI TQAPSSNRPI VPVPGPFPLL LHLPNGQTMP VAIPASITSS NVHVPAAVPL VRPVTMVPSV PGIPGPSSPQ PVQSEAKMRL KAALTQQHPP VTNGDTVKGH GSGLVRTQSE ESRPQSLQQP ATSTTETPAS PAHTTPQTQN TSGRRRRAAN EDPDEKRRKF LERNRAAASR CRQKRKVWVQ SLEKKAEDLS SLNGQLQSEV TLLRNEVAQL KQLLLAHKDC PVTAMQKKSG YHTADKDDSS EDLSVPSSPH TEAIQHSSVS TSNGVSSTSK AEAVATSVLT QMADQSTEPA LSQIVMAPPS QAQPSGS
Source	E.coli
Target Names	Atf2
Protein Names	Recommended name: Cyclic AMP-dependent transcription factor ATF-2 Short name= cAMP-dependent transcription factor ATF-2 Alternative name(s): Activating transcription factor 2 MXBP protein cAMP response element-binding protein CRE-BP
Expression Region	1-487
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 to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined.
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.